

High Tech Farming Value Chain

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Abbreviations

GUO - Global Ultimate Owner

ICT – Information and communication technologies

LA – Large size enterprise

ME – medium size enterprise

n.a. – Not available

NACE - Nomenclature statistique des activités économiques dans la Communauté Européenne [European classification of economic activities]

NUTS - Nomenclature des Units Territoriales Statistiques [European territorial statistical units]

R&D – Research and Development

SM – Small size enterprise

VC – value chain

VCS - Value chain segments

VL – Very large size enterprise

1. Executive Summary

- ⊕ The integrated value chain of high tech farming is emerging, but still at a very early stage of development. Most of the farming companies are diversified across different farming value chains, and most of the technology companies deliver multi-sectoral technology solutions. The value chain segments (VCS) 53 (*ICT support*) and 54 (*R&D & technical testing*) contains firms that have diversified across both – farming and technology activities (Figures 1, 2).
- ⊕ The regional diversity among partners is substantial – both in terms of concentration of firms in value chain segments and the diversification across segments. The diversity across regions is a result of a number of factors, among which: the structure of regional economies, firms' reporting requirements, and the selection of strategic priorities in farming (Tables 7, 8, 9, 10, 11).
- ⊕ Comprehensive value chains can be observed for these partner regions that have selected to specialise in three or four value chains – *protected cultivation, arable crops, perennial trees, and livestock* (Figures 3, 4, 6, 8, 9, 11, 12, 13, 14). Partners that have selected 1 or 2 value chains have a comprehensive capture of their strategic selections and a representative set of firms in other related segments of the total high-tech farming value chain.
- ⊕ The strong intersection across the four value chains takes place between *protected cultivation, arable crops, trees and farming support activities*. The farming support activities, and in particular NACE code 0161, bring most of the diversification outside farming (Figure 1). We observe three types of diversification (Figure 1):
 - *diversification across farming value chains* and mixed farming (VCS 1-42);
 - *diversification into related sectors* (i.e. food processing, manufacturing of animal feeds, manufacturing of miscellaneous products [of leather, textile, etc.], or wholesale and trade of farming products) (VCS 47-50);
 - *diversification across industries* [risk averse and growth strategies] – such as construction, production of electricity, or sewerage and waste treatment (VCS 43-46, 51, 52, 58, 59).
- ⊕ The manufacturing capabilities are equally connected to the three value chains - *livestock, arable crops and perennial trees*.
- ⊕ The R&D capabilities are well embedded across all four value chains and constitute of firms that have capabilities both in farming and in R&D.
- ⊕ Each region has some unique concentrations of capabilities, which are exhibited with a red colour dot on the value chain maps indicating number of firms. These segments represent concentrations of capabilities both in terms of supply and

demand of firm outputs and are described as *regional comparative strengths*. It is recommended that regions aim to leverage their capabilities with comparative strengths through inter-regional partnerships.

- ⊕ A significant number of regional actors operate through subsidiaries in other regions, which provides a natural environment for inter-regional cooperation. As the majority of subsidiaries are in services, manufacturing, trade, or knowledge intensive segments (R&D, ICT) and other related sectors (construction, production of electricity, sewerage and waste treatment), this indicates a strategic diversification path for growth in these segments (Table 3).
- ⊕ The segmentation of the value chain represents groups of firms with a similar profile of activities (Table 2, Figures 1, 2). The first column in each value chain map contains firms with specialisation in one particular industry code. The label of these segments is adopted from the NACE definition of the relevant industry code. The rest of the segments located on the value chain platform represent different types of diversification, indicated by the mix of colour. The colour code is explained through the labels on the frame, as follows: light green – plant propagation and protected cultivation; yellow – arable crops; dark green – perennial trees and crops; light purple – *livestock*; blue – *farming support activities*; emerald – *knowledge intensive segments*; brown – *related manufacturing segments*; ochre - *sectoral diversification*; white – *retail, wholesale and trade*. The label for each regional value chain map indicate the selection and strategic specialisation in specific value chains by each region.
- ⊕ Individual regional value chain maps represent the distribution of firms in that particular region. Value chains that have not been initially selected by the region show number of firms in a graded area, and this indicate that segments are not comprehensive but representative. All segments where the region has no firms have been removed from the value chain maps. Red dots indicate value chain segments with a comparative strength in each region.
- ⊕ Stakeholders in each region should pay attention to the following elements of their value chains:
 - Segments with a comparative strength;
 - Firms that contain one of the key value chain integrators: *NACE 0161-Support activities for crop production; 0130- Plant propagation; 0119-Growing of other non-perennial crops, 8130-Landscape service activities*. Capabilities in these industry categories offer unique opportunities for linking and bridging across segments and regional boundaries.
 - Segments with more diversified firms, such as: VCS 25, 27, 29, 32, 33, 35, 36, 37, 41, 42 – contain firms that are expected to have already

established value chains by themselves, which they can render in partnerships as leveraged capabilities.

- Knowledge intensive segments such as: *53-ICT support and 54-R&D and technical testing*, which have integrated in themselves the high-tech activities with specialised farming, can be mobilised in inter-regional partnerships.
- Service - based segments such as: VCS *19, 20, 21, 22, 39, 40, or 43*, which offer direct support for more value-added farming activities, also can be mobilised in inter-regional partnerships as enabling environment for innovation projects.
- Knowledge and technology intensive segments and segments with high value added are VCS 53, 54, as well as the manufacturing segments 47, 48, 49, 50. These segments hold strategic innovation capabilities that can drive value chain upgrade through the farming sector through product and process innovation.

2. Briefing on Dataset and Methodology

The data set is comprehensive for the farming value chains that were initially selected by each region (Table 1). Core segments in the selected value chains contain the entire population of firms in each region and segment. Segments that are not core to a particular region's value chain selection, contain only a representative set of firms that enter the dataset through other related farming activities in their portfolio.

The core industry codes in each value chain are described in Table 2. The source of the data is Orbis and the complete dataset is produced by a comprehensive search of all firms in a selected region (NUTS codes – Table 1) and selected industries (NACE codes – Table 2).

The segmentation of the value chain is a result of a multistage clustering of the data using the portfolio of activities of firms identified through NACE industry codes¹, declared by each firm individually. The population of firms in the dataset was generated by looking at the extended portfolio of operations for all firms with their subsidiaries and other sister companies.

¹ The methodology is described in: Todeva, E. & Keskinova, D. (2006) Clusters in the South East of England', University of Surrey, ISBN: 1-84469-011-3.

Table 1. Regional selection of value chains in farming

Region	NUTS	VC1 Protected Cultivation	VC2 Arable Crops	VC3 Perennial Trees & Crops	VC4 Livestock
Estonia	EE		1		1
Flanders	BE2	1	1	1	1
Centre Portugal	PT16	1	1	1	1
Weser-Ems	DE94		1	1	1
Central Macedonia	EL52	1	1	1	1
West Macedonia	EL53			1	1
Galicia	ES11		1	1	1
Extremadura	ES43		1	1	1
South Ostrobothnia	FI194		1		1
Pays de la Loire	FR51	1	1	1	
Toscana	ITI1	1	1	1	1
Marche	ITI3		1	1	
Veneto	ITH3		1	1	1
Emilia-Romagna	ITH5		1	1	1
North East Romania	RO21		1	1	
East Sweden	SE12		1		1
Northern Netherlands	NL1				1
Gelderland	NL22			1	
Noord Holland	NL32	1	1		
Zuid Holland	NL33	1		1	
North-Brabant	NL41				1
Limburg (NL)	NL42	1		1	
Northern Ireland	UKN		1		1

Table 2. Core industry codes (NACE) in each segment of the high-tech farming value chains and number of firms in each segment of the value chains

Initial selection of industry codes (NACE)	Value chain segmentation	Core industry codes (NACE) in each segment	Total No firms
VC1: Protected cultivation	1. Plant propagation	O130	3,293
0161 - Support activities for crop production	2. Growing of other non-perennial crops	O119	6,791
0164 - Seed processing for propagation	23. Protected cultivation	O130, 0119, 4622, 4776, 8130	2,358
<i>0130 - Plant propagation</i>	24. Plant propagation with crops	O130, 0111, 0113, 0119, 0124, 0125, 0129, 0210	854
<i>0119 - Growing of other non-perennial crops</i>	25. Plant propagation with landscaping	O130, 08130, 0161, 7111, 4312	533
<i>8130 - Landscape service activities</i>	41. Landscaping & support activities	8130, 0161, 4312, 7111, 4399	2,787
VC2: Arable crops (cereals, vegetables)	3. Growing of vegetables, melons, roots, tubers, rice	O112, 0113	1,159
0111 - Growing of cereals (except rice), leguminous crops and oil seeds	4. Growing of cereals, leguminous plants & oil seeds	O111	6,971
0112 - Growing of rice	19. Support activities for crop production	O161	5,480
0113 - Growing of vegetables and melons, roots and tubers	21. Post-harvest crop activities	O163	360
0119 - Growing of other non-perennial crops	22. Seed processing for propagation	O164	29
	26. Growing of non-perennial crops	O111, 0112, 0113, 0114, 0115, 0116, 0119	600

0150 - Mixed farming 0163 - Post-harvest crop activities	27. Growing of non-perennial crops with trade & services	O111, 0112, 0113, 0114, 0115, 0116, 0119, 8130, 4621, 4631, 4721	1,056
<i>Mixed farming</i>	18. Mixed farming	O150	3,813
	55. Mixed farming diversified	O150	11,666
	56. Mixed farming & support farming activities	O161, 0150	2,570
VC3: Perennial trees & crops (viticulture, fruits) 0120 - Growing of perennial crops 0121 - Growing of grapes 0122 - Growing of tropical and subtropical fruits 0123 - Growing of citrus fruits 0124 - Growing of pome fruits and stone fruits 0125 - Growing of other tree and bush fruits and nuts 0126 - Growing of oleaginous fruits 0127 - Growing of beverage crops 0128 - Growing of spices, aromatic, drug and pharmaceutical crops 0129 - Growing of other perennial crops 0130 - Plant propagation	5. Growing of perennial crops	O120	9,882
	6. Growing of pome fruits and stone fruits	O124	3,523
	7. Growing of other tree, bush fruits and nuts	O125	1,243
	8. Growing of oleaginous fruits	O126	4,684
	9. Growing of other perennial crops & trees	O129, 0122, 0123, 0127, 0128	626
	10. Growing of grapes	O121	17,120
	28. Growing of pome-fruit, trees & other perennials	O121, 0122, 0123, 0124, 0125, 0126, 0127, 0128, 0129	211
	29. Growing of perennials with trade and services	O121, 0122, 0123, 0124, 0125, 0126, 0127, 0128, 0129, 4621, 4631, 4721, 8130	1,021
	30. Growing of grapes with manufacture of wine & distils	O121, 1102	323
	31. Growing of crops	O111, 0112, 0113, 0119, 0121, 0122, 0123, 0124, 0125, 0126, 0127, 0128, 0129	916
	32. Growing of crops with trade & services	O111, 0112, 0113, 0119, 0121, 0122, 0123, 0124, 0125, 0126, 0127, 0128, 0129, 0161, 4621, 4631, 4721, 4789	962
	33. Growing of crops with farming support activities	O111, 0112, 0113, 0119, 0121, 0122, 0123, 0124, 0125, 0126, 0127, 0128, 0129, 0161, 0162, 0163, 0164	1,836
VC4: Livestock outdoor & indoor 0140 - Animal production 0141 - Raising of dairy cattle 0142 - Raising of other cattle and buffaloes 0143 - Raising of horses and other equines 0144 - Raising of camels and camelids 0145 - Raising of sheep and goats 0146 - Raising of swine/pigs 0147 - Raising of poultry 0149 - Raising of other animals 0162 - Support activities for animal production	11. Raising of dairy cattle	O141	14,412
	12. Raising of other cattle and buffaloes	O142	3,546
	13. Raising of sheep and goats	O145	2,836
	14. Raising of swine/pigs	O146	4,270
	15. Raising of poultry	O147	2,905
	16. Raising of other animals	O149, 0140, 0144	4,303
	17. Raising of horses and other equines	O143	1,610
	20. Support activities for animal production	O162	3,089
	34. Raising of animals	O141, 0142, 0143, 0144, 0145, 0146, 0147, 0149	1,866
	35. Rising of animals with trade & services	O141, 0142, 0143, 0144, 0145, 0146, 0147, 0149, 4623, 4776	3,707
	36. Raising of animals & farming support activities	O141, 0142, 0143, 0144, 0145, 0146, 0147, 0149, 0161, 0162, 0163, 0164, 7500	1,614
	37. Raising of animals with personal services	9609, 0149	889
	38. Raising of horses with services	O143, 7022, 6420	278
	42. Animal farming, sport facilities & recreation services	O143, 9311, 9312, 9319, 9329, 5520, 0162, 8551	1,771
<i>Services, support activities and firms with integrated value chains</i>	39. Specialised farming support activities	O161, 0162, 0163, 0164	2,731
	40. Business management services	7022, 6420, 7820, 8299, 0161	2,077
	43. Machining & repair	2562, 2511, 3312, 0161, 0162	671
	57. Multi-diversified firms	O161, 8030, 4312, 4329, 4399	1,391
	47. Manufacturing of food products	1039, 1051, 1011, 1041, 1061, 1052, 0161, 0163	1,260

<i>Manufacturing segments</i>	48. Manufacturing of prepared animals feeds	1091	207
	49. Miscellaneous product manufacturing		502
<i>Sectoral diversification in construction operations & services</i>	44. Electric Installations	4321, 0161	315
	45. Construction support services	0161, 4311, 4312, 4329, 4339, 4399	579
	46. Construction operations	0161, 4120, 4211	2,262
<i>Knowledge and technology intensive segments</i>	50. Manufacturing of agro-farming & other machinery & equipment	2830	159
	51. Production of electricity	3511, 3514	280
	52. Sewerage, cleaning & waste treatment	3821, 3700, 3900, 0161	206
	53. ICT support	6201, 6202, 6209, 6311	424
	54. R&D & technical testing	7112, 7120, 7219, 7490	1,006
<i>Wholesale / trade</i>	58. Wholesale of agricultural machinery, tools, computers & software	4661, 4662, 4669, 0161	312
	59. Misc. trade and support services for crop production	4621, 4622, 0161	890
Total			155,035

Table 3 describes the distribution of subsidiaries across value chain segments and represents diversification strategies in the farming sector. Due to the high volume of data in the first round of analysis it was decided to narrow the search of the high-tech segment only to those firms that combine farming with knowledge and technology intensive operations. The total number of R&D firms with such profile is 1006, of which 145 are subsidiaries to the main farming companies (Tables 2, 3).

Table 3. Inter-regional connectivity through subsidiaries (top values)

Value Chain Segments	No. Subsidiaries
40. Business management services	829
59. Misc. trade and support services for crop production	321
54. R&D & technical testing	145
47. Manufacturing of food products	130
32. Growing of crops with trade & services	102
51. Production of electricity	87
46. Construction operations	82
42. Animal farming, sport facilities & recreation services	81
35. Rising of animals with trade & services	65
45. Construction support services	55
49. Miscellaneous product manufacturing	52
48. Manufacturing of prepared animals feeds	44
30. Growing of grapes with manufacture of wine & distils	39
52. Sewerage, cleaning & waste treatment	39
53. ICT support	38

The diversification of farming operations is across 683 individual industry codes, although the industry codes with maximum value contain firms' appetite for diversification (Table 4).

Table 4. Leading sectoral capabilities across partnering regions

NACE codes	Total No of firms
0121 - Growing of grapes	18,421
0120 - Growing of Perennials	9,948
0130 - Plant propagation	7,678
0124 - Growing of pome fruits and stone fruits	7,267
0126 - Growing of oleaginous fruits	5,004
0125 - Growing of other tree and bush fruits and nuts	3,509
0113 - Growing of vegetables and melons, roots and tubers	2,895
0111 - Growing of cereals (except rice), leguminous crops and oil seeds	2,462
0119 - Growing of other non-perennial crops	2,380
0161 - Support activities for crop production	1,744
8130 - Landscape service activities	1,599
0150 - Mixed farming	1,530
0129 - Growing of other perennial crops	1,335
4622 - Wholesale of flowers and plants	1,097
0141 - Raising of dairy cattle	1,027
4776 - Retail sale of flowers, plants, seeds, fertilisers, pet animals & pet food in specialised stores	990
4631 - Wholesale of fruit and vegetables	927
0128 - Growing of spices, aromatic, drug and pharmaceutical crops	921
0146 - Raising of swine/pigs	864
0147 - Raising of poultry	813
0149 - Raising of other animals	771
0142 - Raising of other cattle and buffaloes	751
0145 - Raising of sheep and goats	739
4721 - Retail sale of fruit and vegetables in specialised stores	632
4621 - Wholesale of grain, unmanufactured tobacco, seeds and animal feeds	569
4789 - Retail sale via stalls and markets of other foods	535
4781 - Retail sale via stalls and markets of food, beverages and tobacco products	490
0163 - Post-harvest crop activities	482
0210 - Silviculture and other forestry activities	446
4312 - Site preparation	397
4941 - Freight transport by road	367
0164 - Seed processing for propagation	302
4711 - Retail sale in non-specialised stores with food, beverages or tobacco predominating	288
1102 - Manufacture of wine from grape	285
7022 - Business and other agent consultancy activities	285
5520 - Holiday and other short-stay accommodation	278
0162 - Support activities for animal production	273
.....

a. Overview of Methodology

At the initial stage of observation of the data it was revealed that all four value chains are strongly interconnected, which determined the overall approach of data analysis – to produce the segmentation with the combined data on all value chains. All separate value chain datasets were merged – to eliminate duplications of firms across value chains.

The segmentation of the data was based on a multistage clustering method, enabling to identify groups of firms with similar portfolio of activities. The labels of each segment derive from the NACE definitions of the core industry codes in a particular segment, or a meaningful wording of the combination of codes. All firms are exclusively allocated to a particular value chain segment (VCS) and the number of firms in each segment in a region represents the absolute number without duplications.

The red dots on the value chain maps denote number of firms in a segment with ***Regional Comparative Strength***².

The categorization of firms by size is based on Orbis categorization of ‘standard peer group size’ and represents an estimate based on industry codes and size of firms. Tables with data of distribution of firms by size are presented for each region.

Regional diversification if calculated in absolute terms (i.e. number of firms with 1 NACE code, with 2 codes, ... with n-codes) and as a proportion – using the mean value. Regions with minimum diversification of firms have value one, while the most diversified regions have mean value 3 (see regional tables for regional diversification).

The distribution of firms in value chain segments is presented in tables for each region, and on a comparative basis – within each value chain.

The top performers in value chain segments are listed for each region – where data is available. The lists of performers contain ONLY firms that have declared revenue for 2016, and do not include firms, for whom there is missing employment and revenue data.

² *Regional comparative strengths* are assessed using the largest positive values of normalized Chi-square distance measure, calculated as the difference between observed and expected values in the matrix of all firms in all regions and all value chain segments.

All value chain maps are developed at the 1-digit and 2-digit level of regional boundaries – to facilitate maximum comparability across the partnership as micro-regions with concentrations of capabilities are less representative for the region.

b. Data Limitations

The main limitations of the data are that the data per region was not extracted comprehensively for all regions and all value chains simultaneously. The selection of some farming industry codes for a region, but not others reduced the comparability across regions in ‘non-selected’ value chains. This is exhibited on the regional value chain diagrams with shaded segments, indicating that the data is not comprehensive, but only representative.

The main limitations in the whole dataset are that there is a very big discrepancy between segments with single firms and very well populated segments, which does not allow to implement further analytical techniques. In addition, only 19,714 firms out of the total population of 155,035 – have employment and revenue data, which prevents undertaking a reliable performance analysis across segments.

The comprehensive dataset contains only these high-tech components that have grown out of the farming sector itself through diversification. All Knowledge intensive segments contain industry codes both for farming and for high tech. As a result, only seven firms of the selected firms by the partnership have been included in the main dataset. An additional complementary dataset with the partner firms, their subsidiaries and global ultimate owner (GUO) is developed to assist in the partner selection, and the distribution of their capabilities across value chain segments is presented in Table 5.

The extended portfolio of key partner firms shows the global reach and global integration of European farming services and technology companies (Table 6). The Global Ultimate Owners (GUO) of the key partner firms spread across 14 countries, among which are: The Netherlands, Germany, France, Italy, Portugal, Spain, Japan, and USA. The portfolio of subsidiaries and sister companies spread across at least 47 countries worldwide with access to markets and capabilities in Europe, Asia, and Americas.

The two datasets are complementary as the main dataset contains the full farming value chain segments (including key knowledge and technology intensive segments), while the second dataset of key partners contains substantially service and technology firms. All key partners are mapped to the value chain segments, established through this empirical and analytical exercise.

The datasets represent unique resources for selecting partners and making strategic choices towards value chain extension, integration and upgrade – at firm level, as well as regional and sectoral level.

Table 5. Capabilities of key partner firms in an extended portfolio across the value chain segments

Value Chain Segment	Ownership status					
	Key Partners	Subsidiaries & Sister Firms	Global Ultimate Owner (GUO)	Other Related Assets	Similar Name in a Different Region	Total
4. Growing of cereals, leguminous plants & oil seeds	1	3				4
6. Growing of pome fruits and stone fruits		2				2
7. Growing of other tree, bush fruits and nuts		1				1
8. Growing of oleaginous fruits			1			1
12. Raising of other cattle and buffaloes		1	1			2
14. Raising of swine/pigs	1	2				3
15. Raising of poultry		12	1			13
16. Raising of other animals		1				1
19. Support activities for crop production		2	1			3
20. Support activities for animal production		1				1
23. Protected cultivation		1				1
26. Growing of non-perennial crops	1					1
27. Growing of non-perennial crops with trade & services			1			1
29. Growing of perennials with trade and services	1					1
31. Growing of crops	1	1				2
35. Raising of animals with trade & services	1					1
37. Raising of animals with personal services			1			1
39. Specialised farming support activities	2	5	1			8
40. Business management services	11	154	25	3	3	196
42. Animal farming, sport facilities & recreation services			1			1
43. Machining & repair	2	11			1	14
44. Electric Installations	2	1				3
45. Construction support services		2				2
46. Construction operations		3		1		4
47. Manufacturing of food products	9	15		1	1	26
48. Manufacturing of prepared animals feeds	4	36		1		41
49. Miscellaneous product manufacturing	2	9	3		1	15
50. Manufacturing of agro-farming & other machinery & equipment	28	134	5	7	1	175
51. Production of electricity		7	1			8
52. Sewerage, cleaning & waste treatment		1				1
53. ICT support	8	31	2	2	2	45
54. R&D & technical testing	19	53			1	73
55. Mixed farming diversified	1					1
57. Multi-diversified firms		1	1			2
59. Misc. trade and support services for crop production	10	104	3	9		126
Missing data	4		1	1	2	8
Total	108	597	46	25	12	788

Table 6. Ownership status in the extended portfolio of key partner firms

Country	Ownership status					
	Key Partners	Subsidiaries & Sister Firms	Global Ultimate Owner (GUO)	Other Related Assets	Similar Name in a Different Region	Total
Austria		5				5
Belgium	1	12		1	1	15
Czech Republic		2				2
Denmark		5				5
Estonia	3	3	2			8
Finland		1				1
France	7	30	3	3	2	45
Germany	17	116	8	5	1	147
Greece	6		1		1	8
Hungary		1				1
Ireland		2		1		3
Italy	23	136	4	2	5	170
Latvia		2				2
Lithuania		2				2
Luxembourg		2				2
Netherlands	25	77	13	5	2	122
Poland		13				13
Portugal		15	3	1		19
Romania		3				3
Spain	14	27	4	4		49
Sweden	1	1		1		3
United Kingdom	11	38	1	2		52
Argentina		2				2
Australia		3	1			4
Brazil		16				16
Canada		5				5
Cayman Islands			1			1
Hong Kong		1				1
Iceland		1				1
India		5				5
Indonesia		1				1
Japan		2	2			4
Malaysia		1				1
Mexico		3				3
Morocco		1				1
Norway		2				2
Pakistan		1				1
Russia		6				6
Serbia		2				2
Singapore		1				1
South Africa		2				2
South Korea		1				1
Switzerland		6	1			7
Thailand		1				1
Turkey		5				5
United Arab Emirates		1				1
United States		35	2			37
Total	108	597	46	25	12	788

3. Interconnected Farming Value Chains

Figure 1. High-tech farming segments and composition (NACE industry codes for each segment)

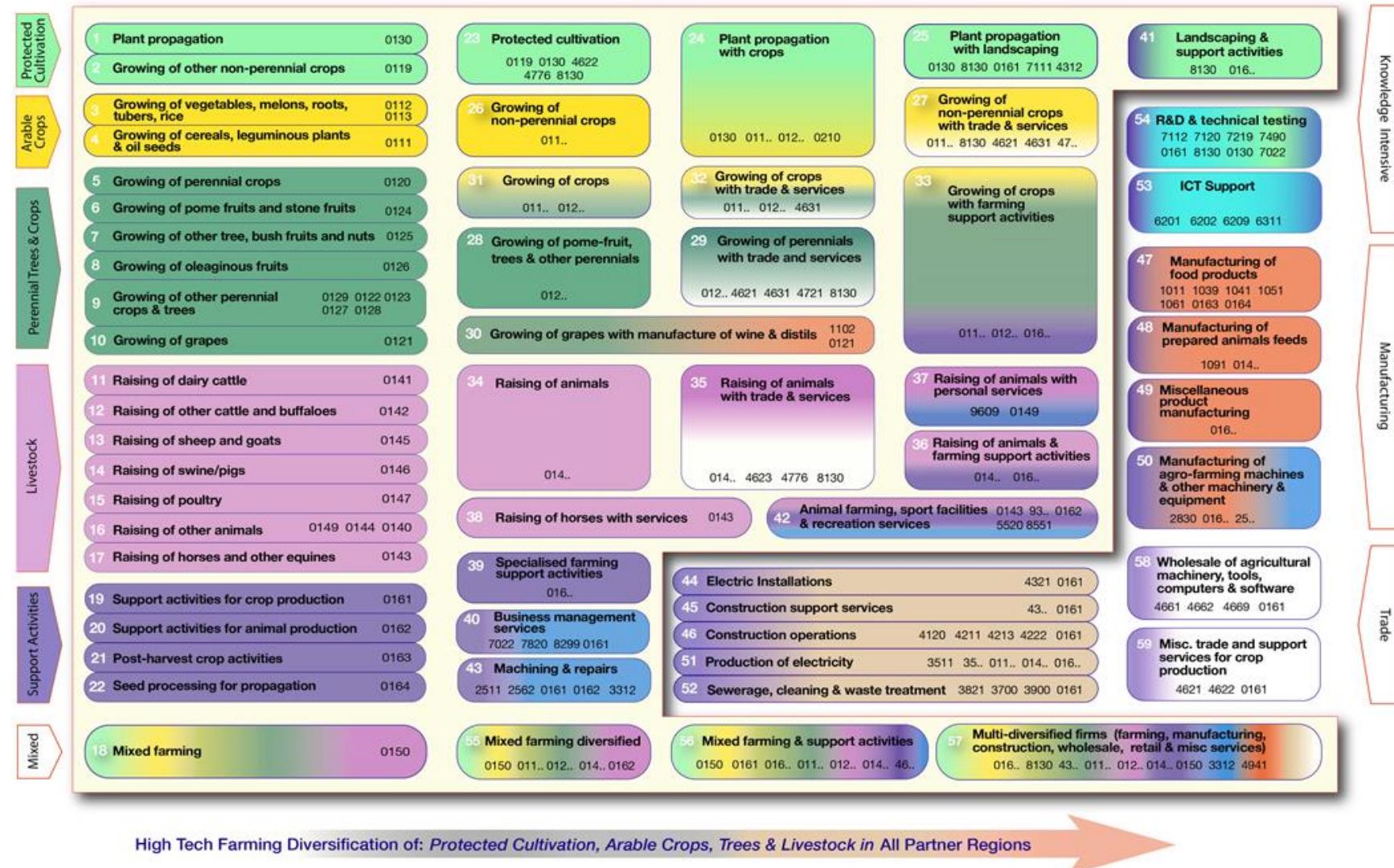


Figure 2. High-tech farming complete value chain map – all regions

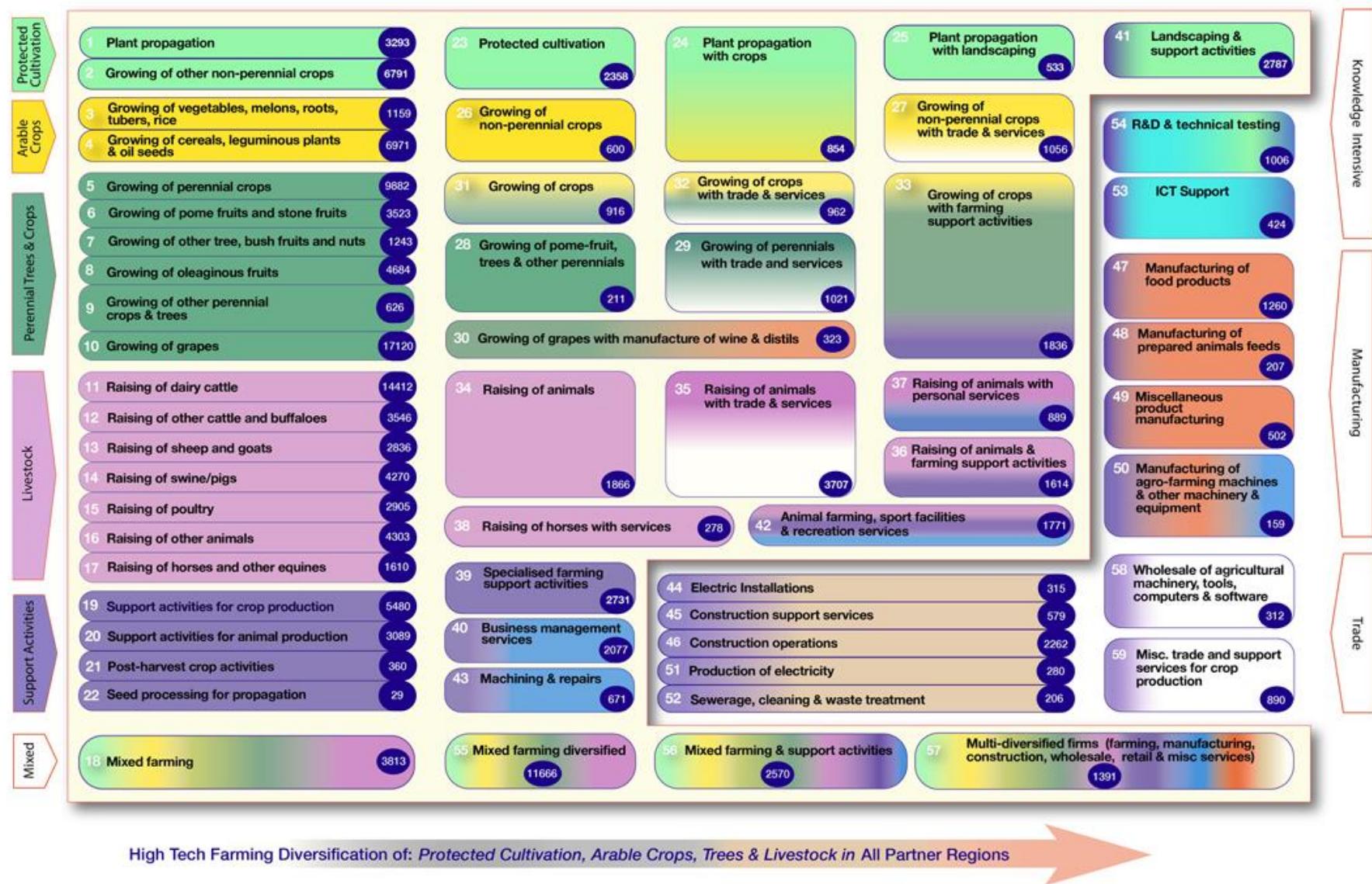


Table 7. Protected cultivation value chain - core regions

Value Chain Segments	Pays de la Loire	Toscana	Central Macedonia	Centre Portugal	Noord Holland	Zuid Holland	Limburg	Flanders
1. Plant propagation	60	395	8	22	4	1,142	233	653
2. Growing of other non-perennial crops	26	787	2	71	328	3		628
18. Mixed farming				5	127		1	
19. Support activities for crop production	296	557	2	85	353	2,567	184	1,411
22. Seed processing for propagation	2	1	1		7	11	4	2
23. Protected cultivation	3		4	33	263	633	93	1,017
24. Plant propagation with crops	1		1	28	57	160	89	310
25. Plant propagation with landscaping	1			4		9	8	473
26. Growing of non-perennial crops		1		15	153	1		237
27. Growing of non-perennial crops with trade & services				152	92	4		537
31. Growing of crops				68	17	68	72	378
32. Growing of crops with trade & services	3	9	5	118	9	58	34	313
33. Growing of crops with farming support activities			1	138	230	306	129	585
39. Specialised farming support activities	4		19	85	242	708	89	869
41. Landscaping & support activities	1			14	48	147	21	2,490
55. Mixed farming diversified		2		436	114	42	58	3,643
56. Mixed farming & support farming activities	1	1	1	98	31	43	37	922
57. Multi-diversified firms						1	1	839
40. Business management services	9	41		61	133	507	64	580
43. Machining & repair				9	28	56	8	457
Total	407	1,794	44	1,442	2,236	6,466	1,125	16,344

Table 8. Arable crops (non-perennial) – core regions

Value Chain Segments	East Sweden	South Ostrobothnia	Weser-Ems	Estonia	Central Macedonia	Centre Portugal	Galicia	Extremadura	Pays de la Loire	Emilia-Romagna	Marche	Toscana	Veneto	Noord Holland	Flanders	North East Romania	Northern Ireland
1. Plant propagation			41		8	22	6	3	60	111	61	395	168	4	653	24	
2. Growing of other non-perennial crops	1,242	35		511	2	71	60	244	26	1,870	276	787	666	328	628	18	19
3. Growing of vegetables, melons, roots, tubers, rice	184	39	3	320		117	4	13	14	59	23	49	82		125	114	1
4. Growing of cereals, leguminous plants & oil seeds	2,395	2,089		705		31		8	8	277	162	214	261		14	794	
18. Mixed farming	1	2	1	3		5					2,395		1	127		1,259	
19. Support activities for crop production				3	2	85		2	296	4	2	557	2	353	1,411		
21. Post-harvest crop activities	2	11		60	6	1		2		52	13	30	44	13	44	4	76
22. Seed processing for propagation					1				2	1		1		7	2		
23. Protected cultivation	13		38		4	33	8	3	3					263	1017	19	
24. Plant propagation with crops	1		3		1	28	16	8	1					57	310	88	
25. Plant propagation with landscaping				6		4	1		1	1				473	8		
26. Growing of non-perennial crops	15					15	7	101		2	1	1	1	153	237	63	2
27. Growing of non-perennial crops with trade & services	105		5			152	30	56		2	1			92	537	57	7
31. Growing of crops	25					68	14	46		2	1		1	17	378	117	
32. Growing of crops with trade & services	1		2	2	5	118	11	21	3	19	1	9	5	9	313	264	
33. Growing of crops with farming support activities	17		3		1	138	24	79						230	585	148	2
39. Specialised farming support activities	44		18		19	85	16	7	4	2	1		2	242	869	15	15
41. Landscaping & support activities	2					14	3	3	1					48	2,490	1	2
55. Mixed farming diversified	115		84			436	114	384		3	4	2		114	3,643	3,346	112
56. Mixed farming & support farming activities	4		2		1	98	33	38	1			1		31	922	1,233	9
57. Multi-diversified firms															839	541	
40. Business management services	43	8	50	20		61	14	12	9	67	10	41	27	133	580	16	2
43. Machining & repair	7		3	2		9	1						1	28	457	9	2
Total	4,216	2,184	259	1,626	50	1,591	362	1,030	429	2,472	2,951	2,087	1,261	2,249	16,527	8,138	249

Table 9. Perennial trees and crops - core regions

Value Chain Segments	Weser-Ems	Pays de la Loire	Centre Portugal	Galicia	Extremadura	Central Macedonia	West Macedonia	Emilia-Romagna	Marche	Toscana	Veneto	Gelderland	Zuid Holland	Limburg	Flanders	North East Romania	
1. Plant propagation	41	60	22	6	3	8		111	61	395	168	358	1142	233	653	24	
5. Growing of perennial crops								6,392	391	1,418	1,680				1		
6. Growing of pome fruits and stone fruits		44	137	1	16	1		1,104	42	24	356	330	54	115	1,210	88	
7. Growing of other tree, bush fruits & nuts	2	2	142	5	5			265	45	170	254	68	12	54	92	125	
8. Growing of oleaginous fruits			19	2	7			148	262	3,978	267					1	
9. Growing of other perennial crops & trees	1	3	25	7	8	1		109	59	151	102	15	46	20	49	28	
10. Growing of grapes		48	100	25	11			4,010	684	2,999	9,102	10	3	5	46	72	
18. Mixed farming	1			5					2,395		1				1	1,259	
19. Support activities for crop production		296	85		2	2		4	2	557	2	1	2,567	184	1,411		
21. Post-harvest crop activities			1		2	6		52	13	30	44				44	4	
23. Protected cultivation	38	3	33	8	3	4						231	633	93	1017	19	
24. Plant propagation with crops	3	1	28	16	8	1						90	160	89	310	88	
25. Plant propagation with landscaping	6	1	4	1				1				20	9	8	473	8	
28. Growing of pome-fruit, trees & other perennials			48	6	2					1		30	6	8	96	12	
29. Growing of perennials with trade and services	5		232	11	16	1		5		3	5	147	61	44	415	74	
30. Growing of grapes with manufacture of wine & distils		1	124	30	14	1	1	4	2		7	10		11	73	34	
31. Growing of crops			68	14	46			2	1		1	105	68	72	378	117	
32. Growing of crops with trade & services	2	3	118	11	21	5		19	1	9	5	61	58	34	313	264	
33. Growing of crops with farming support activities	3		138	24	79	1						124	306	129	585	148	
39. Specialised farming support activities	18	4	85	16	7	19		2	1		2		708	89	869	15	
41. Landscaping & support activities		1	14	3	3							2	147	21	2,490	1	
55. Mixed farming diversified	84		436	114	384			3	4	2		141	42	58	3,643	3346	
56. Mixed farming & support farming activities	2	1	98	33	38	1				1		10	43	37	922	1233	
57. Multi-diversified firms														1	1	839	541
40. Business management services	50	9	61	14	12			67	10	41	27	36	507	64	580	16	
43. Machining & repair	3		9	1							1	3	56	8	457	9	
Total	259	477	2,032	348	687	51	1	12,298	3,973	9,779	12,024	1,792	6,629	1,378	16,966	7,526	

Table 10. Livestock - core regions

Value Chain Segments	East Sweden	South Ostrobothnia	Weser-Ems	Estonia	Central Macedonia	West Macedonia	Centre Portugal	Galicia	Extremadura	Emilia-Romagna	Veneto	Toscana	Northern Netherlands	North-Brabant	Flanders	Northern Ireland	
11. Raising of dairy cattle	903	554	17	458	5		66	442	11	1,312	2,405	338	3,753	1,829	1,518	796	
12. Raising of other cattle and buffaloes	972	125	18	571	1		59	121	40	71	199	104	471	423	275	90	
13. Raising of sheep and goats	403	18	2	287			26	5	45	112	182	583	354	114	690	14	
14. Raising of swine/pigs	151	165	310	69	3	1	166	90	102	161	149	76	96	955	1,715	51	
15. Raising of poultry	102	86	242	70	16		304	71	26	171	459	66	191	326	509	250	
16. Raising of other animals	300	292	99	584	2	20	117	123	75	569	603	651	82	238	422	118	
17. Raising of horses and other equines	338	44	21	136			6	7	4	130	128	162	121	142	337	33	
18. Mixed farming	1	2	1	3			5					1		1	1		
20. Support activities for animal production	901	121	29	163			16	17	4	57	72	45	408	317	682	249	
34. Raising of animals	13		20				63	52	41				819	463	356	37	
35. Rising of animals with trade & services	91		144	3	3		260	70	65	5	4	4	606	714	1,628	73	
36. Raising of animals & farming support activities	31	1	25				72	32	17				328	276	546	8	
37. Raising of animals with personal services	26		11	2			23	1		2	1	2	62	112	525	2	
38. Raising of horses with services	38		6				1	3	2				44	46	134	4	
39. Specialised farming support activities	44		18		19		85	16	7	2	2		354	236	869	15	
42. Animal farming, sport facilities & recreation services	109		18	4			76	11	7	5	3	8	146	193	995	1	
55. Mixed farming diversified	115		84				436	114	384	3			2	1,043	2,019	3,643	112
56. Mixed farming & support farming activities	4		2		1		98	33	38				1	33	69	922	9
57. Multi-diversified firms													4	1	839		
40. Business management services	43	8	50	20			61	14	12	67	27	41	45	117	580	2	
43. Machining & repair	7		3	2			9	1			1		42	42	457	2	
Total	4592	1,416	1,120	2,372	50	21	1,949	1,223	880	2,667	4,236	2,083	9,003	8,633	17,642	1,866	

Table 11. Knowledge and technology intensive segments and segments with extra value added - all regions

Value Chain Segments	Esto nia	East Swe den	Sout h Os tro both nia	Pays de la Loire	Wes er-Ems	Cent ral Mac edo nia	Wes t Mac edo nia	Cent re Port ugal	Ex tre ma dura	Gali cia	Emili a-Ro ma gna	Mar che	Tos cana	Ve neto	Flan ders	Gel der land	Lim burg	Nort hern Ne ther lands	Nort h-Bra bant	Noor d Holla nd	Zuid Hol land	Nort h East Rom ania	Nor ther n Ire land	Othe r EU regio ns	Out side the EU	Total	
50. Manufacturing of agro-farming & other machinery & equipment			2			2			3		1			2	1	111	5	2	7	2	6	8	3		3	1	159
51. Production of electricity	5	8	3	1	42	4			24	5	1	13	2	2	5	97		1	33	6	6	4	6	1	11	280	
53. ICT support	1	10							16			4		1	2	298	1	3	11	6	9	9	45	1	4	3	424
54. R&D & technical testing	2	26		3	6				106	11	8	30	1	9	8	315	34	29	36	40	69	135	100	3	30	5	1006
19. Support activities for crop production	3			296		2		85	2		4	2	557	2	1411	1	184		2	353	2567			9		5480	
20. Support activities for animal production	163	901	121		29			16	4	17	57		45	72	682			408	317					249	6	2	3089
21. Post-harvest crop activities	60	2	11			6		1	2		52	13	30	44	44					13			4	76	2		360
22. Seed processing for propagation				2		1					1		1		2		4			7	11					29	
25. Plant propagation with landscaping				1	6			4		1	1				473	20	8					9	8		2		533
33. Growing of crops with farming support activities		17			3	1		138	79	24					585	124	129	16	33	230	306	148	2		1	1836	
36. Raising of animals & farming support activities		31	1		25			72	17	32					546		29	328	276	97	138	8	8	5	1	1614	
39. Specialised farming support activities		44		4	18	19		85	7	16	2	1		2	869		89	354	236	242	708	15	15	4	1	2731	
40. Business management services	20	43	8	9	50			61	12	14	67	10	41	27	580	36	64	45	117	133	507	16	2	204	11	2077	
41. Landscaping & support activities		2		1				14	3	3					2490	2	21	33	19	48	147	1	2	1		2787	
42. Animal farming, sport facilities & recreation services	4	109			18			76	7	11	5	1	8	3	995	15	12	146	193	33	23	97	1	14		1771	
43. Machining & repair	2	7			3			9		1				1	457	3	8	42	42	28	56	9	2	1		671	
44. Electric Installations		5						7							235		1	11	5	5	28	16	1	1		315	
47. Manufacturing of food products	4	8		2	15	28	2	240	62	28	10	1	2	1	372	1	6	42	30	6	6	347	4	41	2	1260	
48. Manufacturing of prepared animals feeds	1	4			11	5	1	21	7	10	1			1	80	3		2	10			3	34		13	207	
49. Miscellaneous product manufacturing	3	18	1		1	1	4	37	5	3	2			2	1	238	3	4	17	15	11	27	93	1	13	2	502
52. Sewerage, cleaning & waste treatment	2	1		1	1			12	2	1	2	1	3	1	132	1	2	5	4	6	11	13		5		206	
56. Mixed farming & support farming activities		4		1	2	1		98	38	33				1	922	10	37	33	69	31	43	1233	9	5		2570	
57. Multi-diversified firms															839		1	4	1			1	541		3	1	1391
Total	270	1242	145	321	232	68	7	1125	263	204	251	32	704	171	12773	259	634	1573	1423	1333	4747	2737	377	377	30	31298	

4. Regional Value Chains

The regional value chains contain all firms in the main dataset and the numbers in segments contain only 7 firms from the partner dataset. This is primarily due to the fact that the main dataset used search criteria that captures knowledge and technology intensive capabilities that are already integrated with the farming.

BE2 – Flanders

Figure 3. Regional comparative strengths in value chain segments in Flanders (*protected cultivation, arable crops, perennial trees & livestock*)

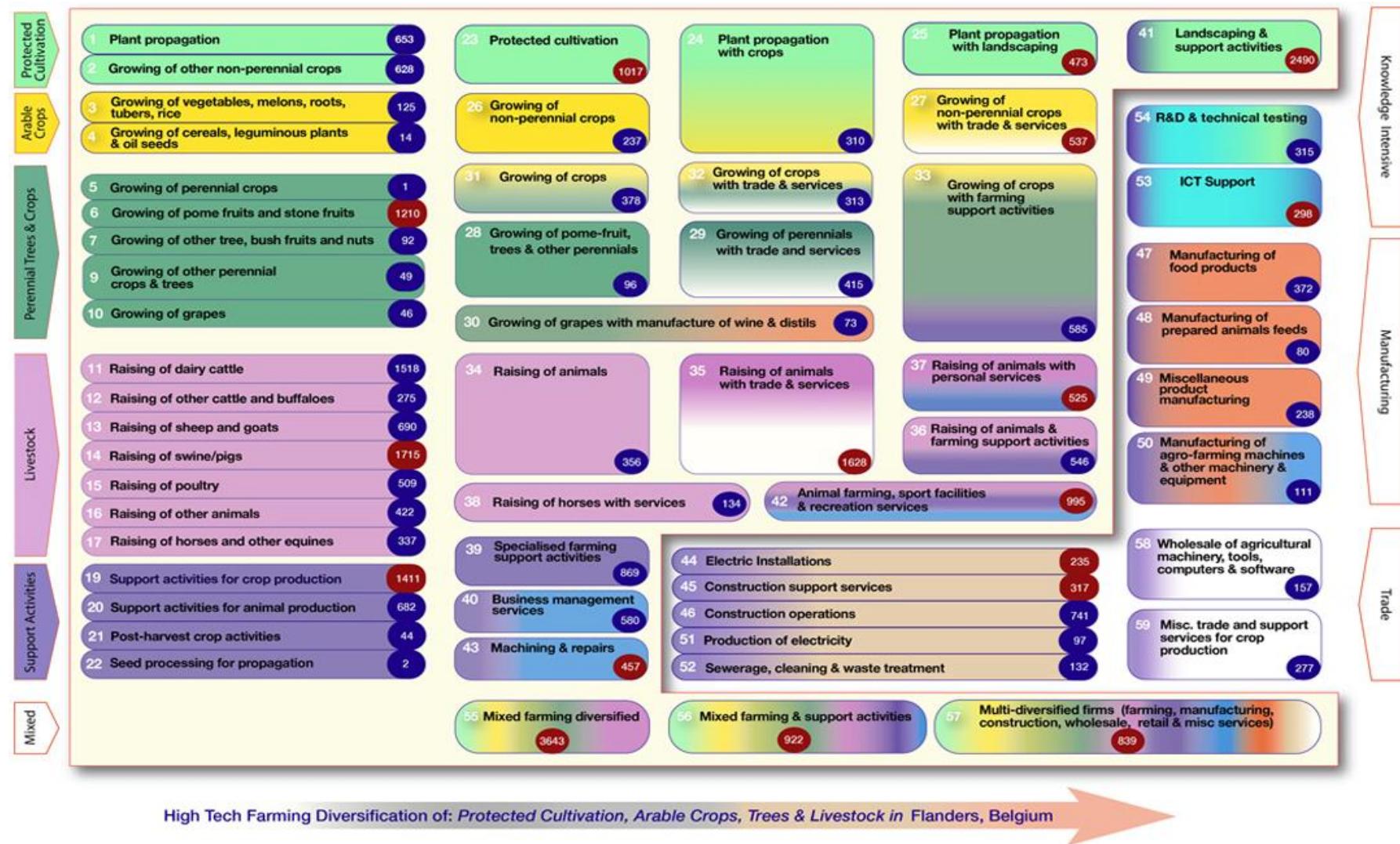


Table 12. Population of farming firms in Flanders

Flanders	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	31,809	402	32,211	27,630	2,103	1,212	849	417	32,211
	98.8%	1.2%	100.0%	85.8%	6.5%	3.8%	2.6%	1.3%	100.0%

Table 13. Regional diversification in Flanders (number of industry codes per firm)

Flanders	Regional diversification											
	1	2	3	4	5	6	7	8	9	10+	Total	Mean
	10,451	7,487	4,704	2,976	2,144	1,747	782	459	288	1,173	32,211	3
	32.4%	23.2%	14.6%	9.2%	6.7%	5.4%	2.4%	1.4%	.9%	3.6%	100.0%	

Example: 10451 (32.4%) of all firms in the region in the database have only one industry code of activities.

Table 14. Distribution of firms in value chain segments in Flanders

Value chain segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016				
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N	
1. Plant propagation	5	2	18	653				0	653
2. Growing of other non-perennial crops	10	5	22	628	410	120	45	628	
3. Growing of vegetables, melons, roots, tubers, rice	12	8	73	125	570	321	125	125	
4. Growing of cereals, leguminous plants & oil seeds			0	14	41	19	13	14	
5. Growing of perennial crops			0	1				0	1
6. Growing of pome fruits and stone fruits	6	3	35	1,210	4,134	4,134	1	1,210	
7. Growing of other tree, bush fruits and nuts	3	3	1	92				0	92
9. Growing of other perennial crops & trees			0	49				0	49
10. Growing of grapes			0	46				0	46
11. Raising of dairy cattle	1	1	2	1,518				0	1,518
12. Raising of other cattle and buffaloes			0	275				0	275
13. Raising of sheep and goats			0	690				0	690
14. Raising of swine/pigs	2	1	11	1,715	133	157	3	1,715	
15. Raising of poultry	3	1	15	509	2,555	2,386	3	509	
16. Raising of other animals	4	4	1	422				0	422
17. Raising of horses and other equines	4	4	2	337				0	337
19. Support activities for crop production	5	3	3	1,411	126	50	26	1,411	
20. Support activities for animal production	4	4	2	682				0	682
21. Post-harvest crop activities	27	27	1	44	432	432	2	44	
22. Seed processing for propagation			0	2	22	22	1	2	
23. Protected cultivation	11	4	184	1,017	1,417	117	283	1,017	
24. Plant propagation with crops	10	3	47	310	1,109	169	58	310	
25. Plant propagation with landscaping	6	3	52	473	300	91	61	473	
26. Growing of non-perennial crops	9	5	20	237	405	56	51	237	
27. Growing of non-perennial crops with trade & services	9	5	115	537	454	102	313	537	
28. Growing of pome fruit, trees & other perennials	2	1	8	96				0	96
29. Growing of perennials with trade and services	7	5	49	415	34,520	34,520	2	415	
30. Growing of grapes with manufacture of wine & distils	4	3	5	73	425	13	9	73	
31. Growing of crops	8	6	22	378	551	202	33	378	
32. Growing of crops with trade & services	13	5	62	313	904	107	110	313	

33. Growing of crops with farming support activities	10	5	49	585	564	149	115	585
34. Raising of animals	5	2	28	356	13,847	11,790	7	356
35. Rising of animals with trade & services	7	2	138	1,628	33,421	21,451	28	1,628
36. Raising of animals & farming support activities	4	2	44	546	497	57	52	546
37. Raising of animals with personal services	13	3	13	525	553	33	10	525
38. Raising of horses & services	3	1	10	134	3,072	3,072	2	134
39. Specialised farming support activities	6	3	65	869	460	124	141	869
40. Business management services	18	3	87	580	370	7	147	580
41. Landscaping & support activities	6	3	180	2,490	344	91	481	2,490
42. Animal farming, sport facilities & recreation services	7	2	88	995	2,752	37	43	995
43. Machining & repair	6	4	17	457	180	84	37	457
44. Electric Installations	8	5	5	235	37	16	35	235
45. Construction support services	5	2	26	317	443	73	66	317
46. Construction operations	11	4	70	741	305	99	146	741
47. Manufacturing of food products	34	12	60	372	22,851	153	70	372
48. Manufacturing of prepared animals feeds	14	7	34	80	22,654	830	31	80
49. Miscellaneous product manufacturing	53	6	23	238	76,009	94	39	238
50. Manufacturing of agro-farming & other machinery & equipment	5	4	9	111	227	127	15	111
51. Production of electricity	17	10	35	97	1,645	641	49	97
52. Sewerage, cleaning & waste treatment	15	5	33	132	1,606	282	47	132
53. ICT support	10	3	18	298	722	37	30	298
54. R&D & technical testing	19	6	36	315	986	34	73	315
55. Mixed farming diversified	5	2	143	3,643	362	76	271	3,643
56. Mixed farming & support activities	6	2	27	922	289	88	107	922
57. Multi-diversified firms	11	3	33	839	4,414	106	49	839
58. Wholesale of agricultural machinery, tools, computers & software	11	6	27	157	474	103	61	157
59. Misc. trade and support services for crop production	6	4	47	277	304	39	78	277
Total	10	3	2,095	32,211	2,517	90	3,369	32,211

Table 15. Leading companies in value chain segments in Flanders

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
2. Growing of other non-perennial crops	BLOEMEN GOOSSENS	BLOEMENKWEKERIJ SCHEERS	BLOEMISTERIJ RAF GOOSSENS	DEROOSE PLANTS	WIMCECO
3. Growing of vegetables, melons, roots, tubers, rice	BREECHAMP	DE GROENTUIN	DEN BOSCHKANT	DEN BREYN	V.W. TUINDERIJEN
4. Growing of cereals, leguminous plants & oil seeds	AGRIPOEL	HEVALAND	MARCEC	TACK PLANTS	VEMAGRI
6. Growing of pome fruits and stone fruits	HEALTHY FRUIT				
14. Raising of swine/pigs	DEVAR	JOLIE			
15. Raising of poultry	DE KROON - DESTROOPER	KEMPENHOF	MOONEN		
19. Support activities for crop production	AKKERBOSCH	DE WULF HUGO	DORSONDERNEMING GOEMARE	LOONWERKEN DE POURCQ LIEVEN	SOEVAN
21. Post-harvest crop activities	JD PACK & GREEN	VANDERPER LUC			
22. Seed processing for propagation	PROSEM				
23. Protected cultivation	ANTOON DONCK EN ZONEN	F.L.E.U.R.	FLORALUX	FLORE	FLOREAC
24. Plant propagation with crops	BOOMKWEKERIJ WILLAERT	BPK DUFFEL	CAROLUS C.	KLASMANN-DEILMANN BELGIUM	OPRINS PLANT
25. Plant propagation with landscaping	JANSEN JAN	SCHOUBS IVO	TUINCENTRUM LUYCKX	VAN DUN CINDY	VANDERVELDEN
26. Growing of non-perennial crops	BAANHEIDEHOF	GROENTENHOF	HEULENS	TOM@	VERENIGDE GROENTETUINDERS

27. Growing of non-perennial crops with trade & services	AMBIUS	EUROCHAMPIGNON	ID FLOR	SCHOLENGROEP SINT-MICHEL	TRANSPORTS INTERNATIONAUX BERGHMAN
29. Growing of perennials with trade and services	FRUITHANDEL ROMAIN WOUTERS & CO	NICOLAI FRUIT			
30. Growing of grapes with manufacture of wine & distils	ABDIJ DER BENEDICTIJNEN	ABDIJ SINT-SIXTUS	EERRON	OPTIMBULLES	SL TRADING
31. Growing of crops	BEYENS R.	DE BLACKT	HERBIO	KENIS AARDBEIEN	PITOMA
32. Growing of crops with trade & services	AGRAFRESH	ARDO E. HASPELAGH	DEN BERK	DICOGEL - BEGRO	EXOTIC PLANT
33. Growing of crops with farming support activities	BROVO	DEVOS GROUP	LANDSRODE	QUIRYNEN AGRI FARMING	XWIFT
34. Raising of animals	BROEIERIJ DAVID	DAVAKO	LAUWERS	PIPA ELITE CENTER	VEPYMO
35. Rising of animals with trade & services	ARKOVA	BELGABROED	L. GERARDI EN ZN	VAN DRIE KALVERHOUDERIJ	WILLEM SPOORMANS
36. Raising of animals & farming support activities	COOPERATIEVE RUNDVEE VERBETERING	CREVITS D & B	DE KLUYS	GECA	TOPIGS NORSVIN BELGIE
37. Raising of animals with personal services	DE WROETER MAATWERKBEDRIJF	DEMASS	FUNERALI	GRAACO	SERRA MARIS
38. Raising of horses & services	STOETERIJ ZANGERSHEIDE	TOBRA			
39. Specialised farming support activities	ECO VEG	EUROPAISCHE FRUCHT KOOPERATION	H-PACK	K & E	L&G FRUIT SERVICES
40. Business management services	BIOBEST GROUP	BRULEX	CONSTRUCTIVO	GLOBAL GREEN INTERNATIONAL	TULIFLOR
41. Landscaping & support activities	DEZEURE	LOONBEDRIJF WELTJENS BOCHOLT	STARPACK	STERHOEK	WALKRO HANDELSONDERNEMING BELGIE
42. Animal farming, sport facilities & recreation services	DE MEANDER	DEBRA - IMMO	FOOTSTEP 2	OPTIMUS AGRO	SEA COAST HORSES
43. Machining & repair	DEFOUR	DEMHEY & ZOON	HEYVAERT	LOONBEDRIJF NEYT	VANBESIEN
44. Electric Installations	ABO - ELECO	BOONE ONDERNEMINGEN	DHOVLIE	DUVARO	GOUWY
45. Construction support services	DE JAEGER KRISTOF	ETABLISSEMENTEN VERMEULEN	LOONWERK MARRANNES	R.T.S.	SEGERS@MOONS
46. Construction operations	ALGEMENE ONDERNEMING D'HEER	CARPENTIER, LAND-EN GRONDWERKEN	DEMAECKER - VAN HAECKE	SMET & ZN	VERHEGGE, MARC
47. Manufacturing of food products	AGRISTO	BELORTA	D ARTA	PLUIMVEESLACHTERIJ COOREMAN	SESVANDERHAVE
48. Manufacturing of prepared animals feeds	BEPRO	DUMOULIN	VANDEN AVENNE OOIGEM	VOEDERS DECADT	VOEDERS SEURYNCK
49. Miscellaneous product manufacturing	BELFEPAC	DEBRUYNE	NOORDHEUVEL	PHILIP MORRIS BENELUX	VEYS TABAK
50. Manufacturing of agro-farming & other machinery & equipment	DRUELLE	GROENBEHEER EN LOONWERKEN SANTERMANS	HAUSPIE	HEECON	WONICO
51. Production of electricity	HERDI	HORTIPOWER	MEER FRESH PRODUCTS	PRIMATO	QUIRYNEN ENERGY FARMING
52. Sewerage, cleaning & waste treatment	ARKO	COENEGRACHTS SUBSTRAAT	COMPOFERT	STOFFELS	VERENIGDE KOMPOSTBEDRIJVEN
53. ICT support	DE LAGE VUURSE	DE RODE POORT	DENOQ	RESTOBOOKINGS	WATTEX
54. R&D & technical testing	INAGRO, PROV. EXTERN VERZELFSTANDIGD AGENTSCHAP IN	INTERNATIONAL BUILDING ORGANISATION	PROEFCENTRUM FRUITTELT	PROEFCENTRUM HOOGSTRATEN	PROEFSTATION VOOR DE GROENTETEELT
55. Mixed farming diversified	FRUITWERK	HANDELSKWEKERIJ WILLAERT	PORC@	VARONK	VEGOBEL
56. Mixed farming & support activities	BART ANTONISSEN	HAGEWEST	JOPACK	K & P VERGAUWE	SIBAVAR
57. Multi-diversified firms	DE TABAKSHOEVE	KLAASEN EN CO	MACHIELS	NATURAL GRANEN GEBROEDERS DE SCHEEMAECKER	STEPHES STABLES
58. Wholesale of agricultural machinery, tools, computers & software	BOOMKWEKERIJ RENE NICOLAI	BRASPENNING	DESTOTRANS	HEYEVELD	QUIRYNEN DAIRY FARMING
59. Misc. trade and support services for crop production	BELGOMINE	D B CENTER	KRISMAR STABLES	RONNY HAGHEDOOREN	WULLEN

DE94 - Weser-Ems

Figure 4. Regional comparative strengths in value chain segments in Weser-Ems (*arable crops, perennial trees and livestock*)

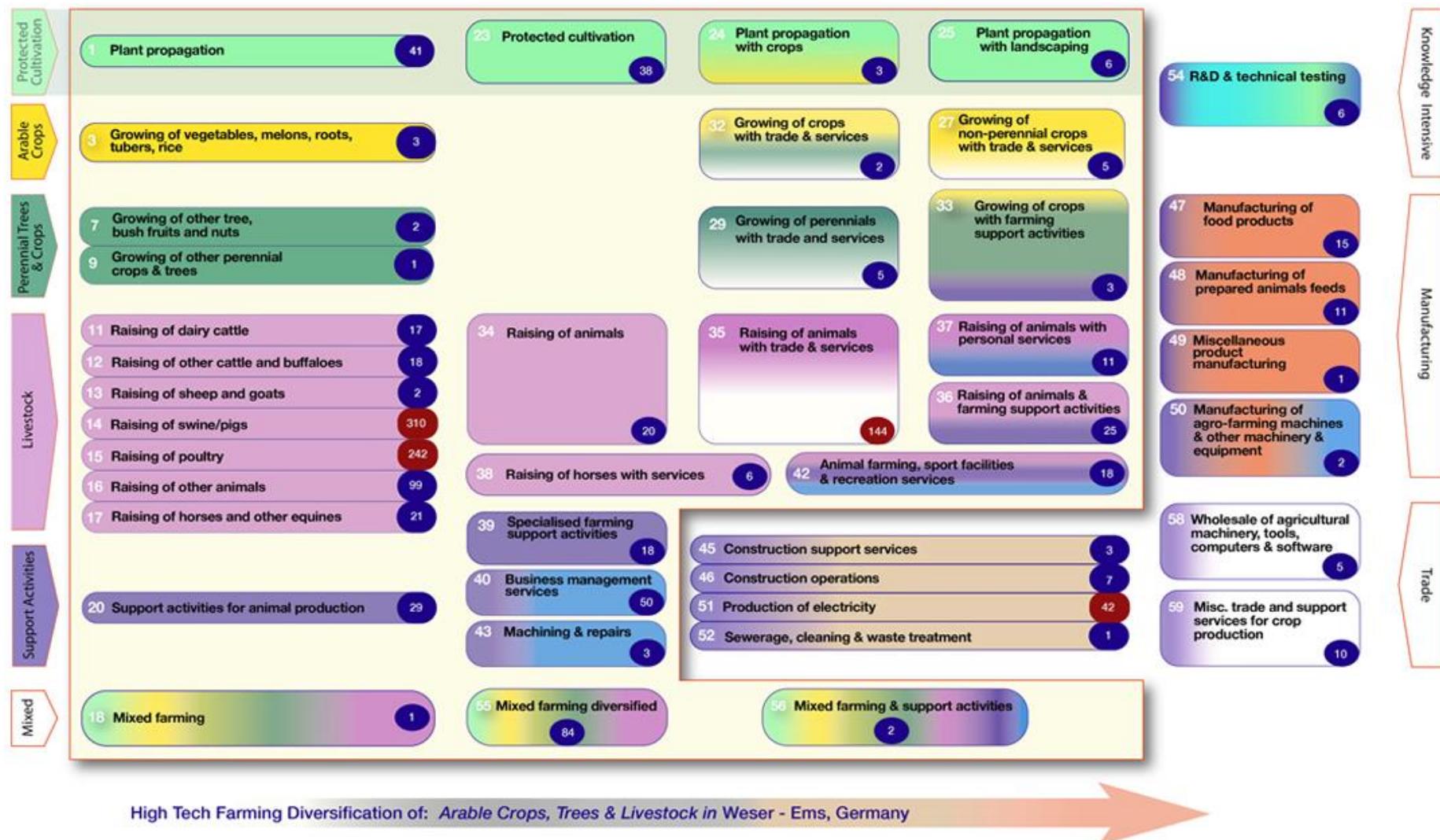


Table 16. Population of farming firms in Weser-Ems

Weser-Ems	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	1,250	82	1332	386	429	218	217	82	1,332
	93.8%	6.2%	100.0%	29.0%	32.2%	16.4%	16.3%	6.2%	100.0%

Table 17. Regional diversification in Weser-Ems (number of industry codes per firm)

Weser-Ems	Regional diversification							
	1	2	3	4	5	6	Total	Mean
	836	316	126	40	10	4	1,332	2
	62.8%	23.7%	9.5%	3.0%	.8%	.3%	100.0%	

Example: 836 (62.8%) of all firms in the region in the database have only one industry code of activities.

Table 18. Distribution of firms in value chain segments in Weser-Ems

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	96	98	5	41	5,926	5,926	1	41
3. Growing of vegetables, melons, roots, tubers, rice	33	15	3	3	7,999	7,999	2	3
7. Growing of other tree, bush fruits and nuts			0	2			0	2
9. Growing of other perennial crops & trees			0	1			0	1
11. Raising of dairy cattle	1	1	4	17			0	17
12. Raising of other cattle and buffaloes	1	1	1	18			0	18
13. Raising of sheep and goats	1	1	1	2			0	2
14. Raising of swine/pigs	2	1	38	310	750	750	1	310
15. Raising of poultry	7	1	42	242	22,081	7,476	3	242
16. Raising of other animals	1	1	11	99	760	760	1	99
17. Raising of horses and other equines	3	2	4	21			0	21
18. Mixed farming			0	1			0	1
20. Support activities for animal production	18	6	8	29	1,000	1,000	1	29
23. Protected cultivation	8	7	6	38	904	904	2	38
24. Plant propagation with crops	20	20	1	3			0	3
25. Plant propagation with landscaping	144	144	1	6			0	6
27. Growing of non-perennial crops with trade & services	3	3	1	5			0	5
29. Growing of perennials with trade and services	2	2	1	5			0	5
32. Growing of crops with trade & services			0	2			0	2
33. Growing of crops with farming support activities	2	2	2	3			0	3
34. Raising of animals	1	1	3	20			0	20
35. Rising of animals with trade & services	154	2	29	144	376,939	10,300	6	144
36. Raising of animals & farming support activities	35	5	5	25			0	25
37. Raising of animals with personal services	6	6	2	11	300	300	1	11
38. Raising of horses & services	3	1	3	6			0	6
39. Specialised farming support activities	5	1	3	18	90	90	1	18
40. Business management services	2	1	18	50			0	50
42. Animal farming, sport facilities & recreation services	12	12	2	18			0	18
43. Machining & repair			0	3			0	3
45. Construction support services	5	5	1	3			0	3
46. Construction operations	1	1	1	7			0	7
47. Manufacturing of food products	330	330	2	15			0	15
48. Manufacturing of prepared animals feeds	740	164	3	11	1,263,645	1,263,645	1	11
49. Miscellaneous product manufacturing			0	1			0	1
50. Manufacturing of agro-farming & other machinery & equipment	3	3	2	2	2,465	2,465	1	2
51. Production of electricity	3	3	5	42	2,670	9	3	42
52. Sewerage, cleaning & waste treatment			0	1			0	1
54. R&D & technical testing	1	1	1	6			0	6
55. Mixed farming diversified	6	2	10	84	573	573	1	84
56. Mixed farming & support activities	3	3	1	2	758	758	1	2
58. Wholesale of agricultural machinery, tools, computers & software			0	5			0	5

59. Misc. trade and support services for crop production	14	12	4	10			0	10
Total	41	2	224	1,332	139,614	904	26	1,332

Table 19. Leading companies in value chain segments in Weser-Ems

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016						
1. Plant propagation	BCM BAUMSCHULE CHRISTOPH MARKEN GMBH & CO. KG						
3. Growing of vegetables, melons, roots, tubers, rice	ES AGRAR GMBH & CO. KG INTERSEED POTATOES GMBH						
14. Raising of swine/pigs	AGRAR BETRIEBE GEIGER II. KG						
15. Raising of poultry	EMSLAND-BRUETEREI GMBH HENNENGOLD-EI GMBH & CO. KG RICON WACHTELFARM GMBH						
16. Raising of other animals	VIEHHANDLUNG RUNDEBUSCH GMBH						
20. Support activities for animal production	JENS MUELLER LOHNUNTERNEHMEN GMBH & CO. KG						
23. Protected cultivation	BISCHOFF RHODOKULTUREN GMBH & CO. KG BOYMANN BAUMSCHULEN HANDELSGESELLSCHAFT MBH						
35. Raising of animals with trade & services	ERSTE PAUL-HEINZ WESJOHANN GMBH & CO. KOMMANDITGESELLSCHAFT GEFLUEGELHALTUNG UND EIERHANDEL LUDWIG ROBBE E.K., INHABER DIRK ROBBE HENNENGOLD-EI VERTRIEBS GMBH & CO. KG P & P FARMBETRIEBE GMBH WIESENHOF GEFLUEGEL-KONTOR GMBH						
37. Raising of animals with personal services	THERAPIE- UND BEWEGUNGSZENTRUM PUENING-SCHOPMANN GMBH						
39. Specialised farming support activities	KMH AGRAR GMBH & CO. KG						
48. Manufacturing of prepared animals feeds	LOHMANN & CO. AKTIENGESELLSCHAFT						
50. Manufacturing of agro-farming & other machinery & equipment	W.S.-W. SCHWEINEMAST GMBH & CO. KG						
51. Production of electricity	BUERGERWINDPARK ACHTERBERG/WESTENBERG GMBH & CO. KG JOERN AHLERS BIOGAS GMBH MASTBETRIEBE MENKE KG						
55. Mixed farming diversified	S. - W. AGRAR KG						
56. Mixed farming & support activities	ABG MAST GMBH						

EE – Estonia

Figure 5. Regional comparative strengths in value chain segments in Estonia (*arable crops & livestock*)

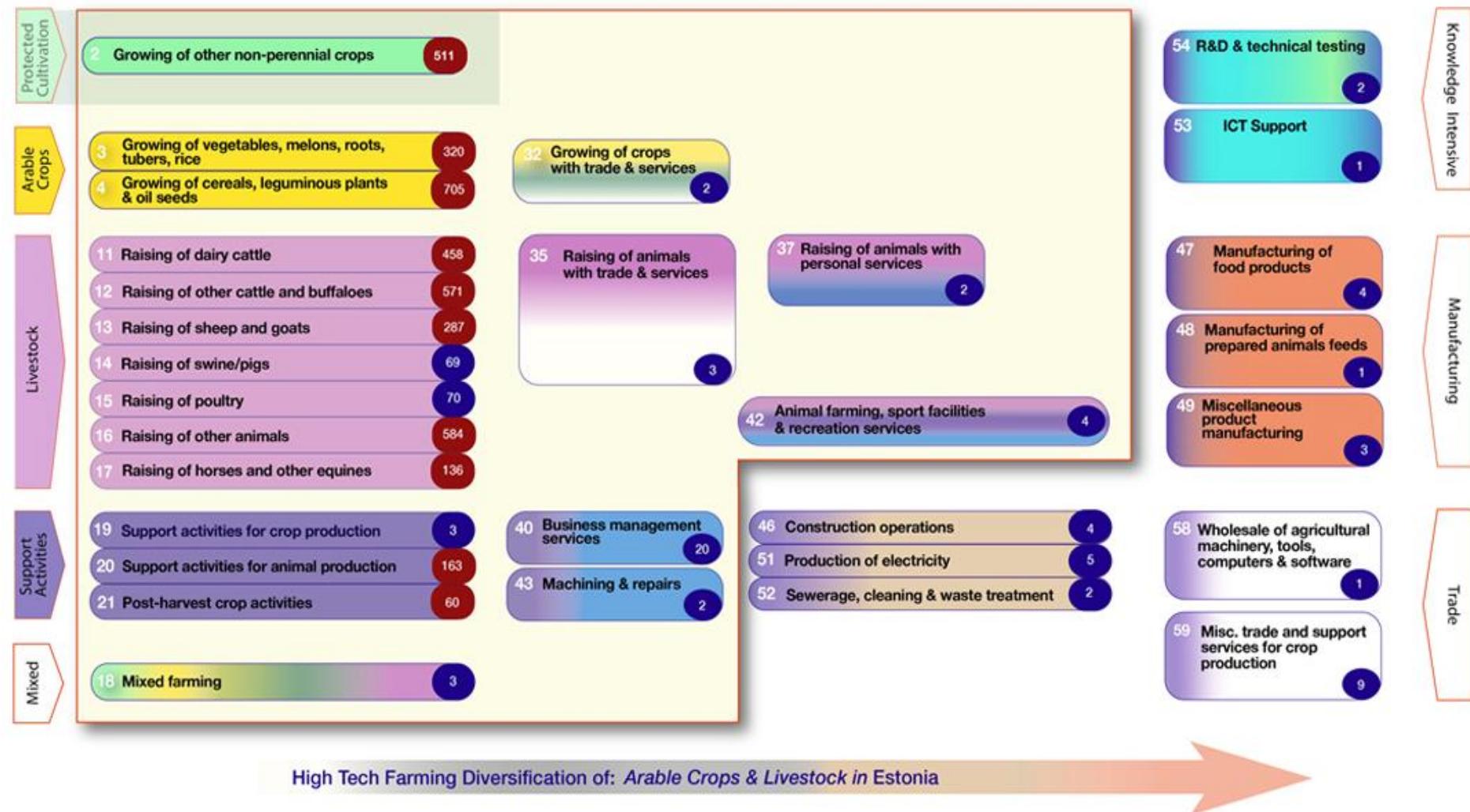


Table 20. Population of farming firms in Estonia

Estonia	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	3,930	75	4,005	2734	580	344	272	75	4,005
	98.1%	1.9%	100.0%	68.3%	14.5%	8.6%	6.8%	1.9%	100.0%

Table 21. Regional diversification in Estonia (number of industry codes per firm)

Estonia	Regional diversification		
	1	Total	Mean
	4,005	4,005	1
	100.0%	100.0%	

Example: 4005 (100%) of all firms in the region in the database have only one industry code of activities.

Table 22. Distribution of firms in value chain segments in Estonia

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
2. Growing of other non-perennial crops	3	1	60	511	77	9	177	511
3. Growing of vegetables, melons, roots, tubers, rice	4	1	83	320	101	2	320	320
4. Growing of cereals, leguminous plants & oil seeds	3	2	421	705	256	114	701	705
11. Raising of dairy cattle	17	9	188	458	1131	548	204	458
12. Raising of other cattle and buffaloes	3	1	90	571	161	35	189	571
13. Raising of sheep and goats	2	1	22	287	34	15	78	287
14. Raising of swine/pigs	12	4	37	69	2159	826	42	69
15. Raising of poultry	12	10	11	70	531	14	31	70
16. Raising of other animals	2	1	59	584	48	7	192	584
17. Raising of horses and other equines	2	1	25	136	61	22	32	136
18. Mixed farming	6	6	2	3	1	1	2	3
19. Support activities for crop production	2	2	3	3			3	3
20. Support activities for animal production	4	1	51	163	133	32	78	163
21. Post-harvest crop activities	3	2	15	60	295	20	38	60
32. Growing of crops with trade & services			0	2			1	2
35. Rising of animals with trade & services	9	9	1	3			2	3
37. Raising of animals with personal services			0	2			0	2
40. Business management services	4	2	8	20			13	20
42. Animal farming, sport facilities & recreation services	1	1	1	4			1	4
43. Machining & repair	2	2	2	2			2	2
46. Construction operations			0	4			1	4
47. Manufacturing of food products	15	13	3	4	1	1	4	4
48. Manufacturing of prepared animals feeds			0	1			1	1
49. Miscellaneous product manufacturing	14	14	1	3			1	3
51. Production of electricity	3	2	4	5	1		3	5
52. Sewerage, cleaning & waste treatment	3	3	1	2			1	2
53. ICT support			0	1			0	1
54. R&D & technical testing	36	36	1	2	1	1	1	2
58. Wholesale of agricultural machinery, tools, computers & software	2	2	1	1			1	1
59. Misc. trade and support services for crop production	6	4	5	9	1		6	9
Total	6	2	1,095	4,005	296	37	2,125	4,005

Table 23. Leading companies in value chain segments in Estonia

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
2. Growing of other non-perennial crops	ABJA POLD OU	FLORES AED OU	NURMIKO AS	ONNE PIIMAKARJATALU OU	RAPINA POLLUMAJANDUSLIK OU
3. Growing of vegetables, melons, roots, tubers, rice	GRUNE FEE EESTI AS	LAHEOTSA OU	MINU MAITSE OU	PROCOM INVESTEERINGUD OU	SAGRO AS
4. Growing of cereals, leguminous plants & oil seeds	AASPERE AGRO OU	ARU POLLUMAJANDUSE OU	SAIMRE VILJAKASVATUSE OU	TIIGIKALDA OU	VOORE FARM OU
11. Raising of dairy cattle	ESTONIA OU	HALINGA OU	PERI POLLUMAJANDUSLIK OU	VAATSA AGRO AS	VANDRA OU
12. Raising of other cattle and buffaloes	EESTI TOULOOMAKASVATA JATE UHISTU	LINIIKA OU	PIIRA TALU OU	SAARE VEISEKASVATUS OU	TAROPEDAJA OU
13. Raising of sheep and goats	KALAMATSI MEIEREI OU	KOPRA KARJAMOIS OU	ORUVESKI TALU OU	RAGAVERE MOIS OU	SAARE AGRO OU
14. Raising of swine/pigs	ATRIA FARMID OU	LOPE AGRO OU	RAKVERE FARMID AS	SAIMRE SEAKASVATUSE OU	VALJALA SOODATEHAS AS
15. Raising of poultry	DAVA FOODS ESTONIA AS	JARVEOTSA VUTIFARM OU	LINNU TALU OU	LOUNA-EESTI TALUMUNA OU	SANLIND OU
16. Raising of other animals	BALTI KARUSNAHK AS	JOUIMEES OU	KUMALANE OU	MUHE MESI OU	PARADIISI MESILA OU
17. Raising of horses and other equines	KIRRET OU	MASSU MOISA TALLID OU	SEBODA OU	TOOMA POLLUMAJANDUSE OU	VERENTIA CONSULTING OU
18. Mixed farming	KAAVERE AGRO OU	SUREKIVI OU			
19. Support activities for crop production	PAADREMAA AGRO OU	POLLURADA OU	TERMECO OU		
20. Support activities for animal production	ARGENTA OU	EESTI POLLUMAJANDUSLO OMADE JOUDLUSKONTROLLI AS	EESTI TOUSIGADE ARETUSUHISTU	ESTRAV GRUPP OU	HELKAMA TRANS OU
21. Post-harvest crop activities	AGRAAR INVEST OU	CHAGA OU	LINDEST TRADE OU	OSA JA TERVIK OU	WIRU VILI TULUNDUSUHISTU
32. Growing of crops with trade & services	TUGGARP METS OU				
35. Rising of animals with trade & services	SAARE ULUK OU	VIRU MUNA OU			
40. Business management services	DEPOO INVEST OU	EESTI TOUKARI OU	NADALINE OU	SAIMRE AGRO GRUPP OU	VIKING CRANES OU
42. Animal farming, sport facilities & recreation services	TAUR KULALISTEMAJAD OU				
43. Machining & repair	PROSPERO OU	RAIKKULA MASINAKESKUS OU			
46. Construction operations	FARMERI EHITUS OU				
47. Manufacturing of food products	HONEYPOWER OU	KEHTNA LIHATOOSTUS OU	MARJAMAA LIHATOOSTUS OU	SAGRO FOOD AS	
48. Manufacturing of prepared animals feeds	POLVA JOUSOOT OU				
49. Miscellaneous product manufacturing	BERTULA & JAKOBI OU				
51. Production of electricity	OISU BIOGAAS OU	SAGRO ELEKTER OU	VINNI BIOGAAS OU		
52. Sewerage, cleaning & waste treatment	SAARE ECONOMICS OU				
54. R&D & technical testing	BIOCC OU				
58. Wholesale of agricultural machinery, tools, computers & software	SOK AGRITEC OU				
59. Misc. trade and support services for crop production	AGROPROFF OU	ALAVERE POOD OU	NURMIKO HULGI OU	SURJU OLI OU	VATEX OU

EL52 - Central Macedonia

Figure 6. Regional comparative strengths in value chain segments in Central Macedonia (*protected cultivation, arable crops, perennial trees & livestock*)

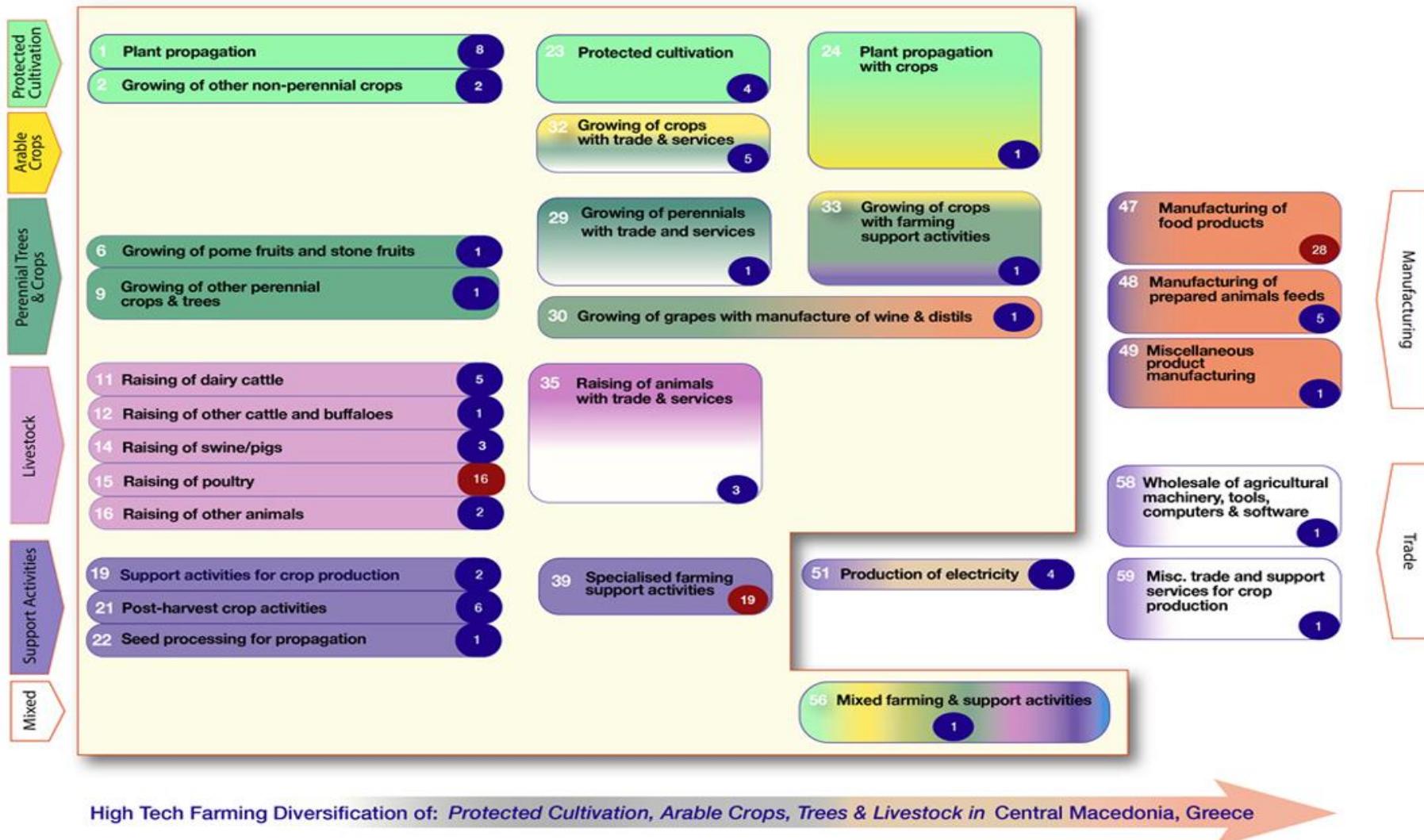


Table 24. Population of farming firms in Central Macedonia

Central Macedonia	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	121	3	124	46	12	26	37	3	124
	97.6%	2.4%	100.0%	37.1%	9.7%	21.0%	29.8%	2.4%	100.0%

Table 25. Regional diversification in Central Macedonia (number of industry codes per firm)

Central Macedonia	Regional diversification								
	1	2	3	4	5	6	8	Total	Mean
	49	27	22	15	6	3	2	124	2
	39.5%	21.8%	17.7%	12.1%	4.8%	2.4%	1.6%	100.0%	

Example: 49 (39.5%) of all firms in the region in the database have only one industry code of activities.

Table 26. Distribution of firms in value chain segments in Central Macedonia

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation			0	8			0	8
2. Growing of other non-perennial crops			0	2			0	2
6. Growing of pome fruits and stone fruits	2	2	1	1	367	367	1	1
9. Growing of other perennial crops & trees			0	1			0	1
11. Raising of dairy cattle	9	9	1	5	1,553	1,553	1	5
12. Raising of other cattle and buffaloes			0	1			0	1
14. Raising of swine/pigs			0	3			0	3
15. Raising of poultry	2	2	1	16	4,994	4,994	1	16
16. Raising of other animals			0	2			0	2
19. Support activities for crop production			0	2			0	2
21. Post-harvest crop activities	15	8	5	6	5,125	1,897	5	6
22. Seed processing for propagation			0	1			0	1
23. Protected cultivation			0	4			0	4
24. Plant propagation with crops	22	22	1	1	2,006	2,006	1	1
29. Growing of perennials with trade and services			0	1			0	1
30. Growing of grapes with manufacture of wine & distils			0	1			0	1
32. Growing of crops with trade & services	150	150	1	5	14,639	14,639	1	5
33. Growing of crops with farming support activities	34	34	1	1	3,990	3,990	1	1
35. Rising of animals with trade & services			0	3			0	3
39. Specialised farming support activities	26	30	6	19	8419	7,453	6	19
47. Manufacturing of food products	225	246	4	28	55,475	56,474	4	28
48. Manufacturing of prepared animals feeds	34	34	1	5	9,337	9,337	1	5
49. Miscellaneous product manufacturing			0	1			0	1
51. Production of electricity	30	30	1	4	10,430	10,430	1	4
56. Mixed farming & support activities	21	21	1	1	3,632	3,632	1	1
58. Wholesale of agricultural machinery, tools, computers & software			0	1			0	1
59. Misc. trade and support services for crop production	5	5	1	1	2,940	2,940	1	1
Total	58	30	25	124	14,077	3,990	25	124

Table 27. Leading companies in value chain segments in Central Macedonia

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016						
6. Growing of pome fruits and stone fruits	RODONAS S.A.						
11. Raising of dairy cattle	LA CARNIS S.A.						
15. Raising of poultry	KAMPRANIS, K., S.A.						
21. Post-harvest crop activities	EKKOKKISTIRIA IRAKLIAS S.A.	IMATHIA COTON GINNING MILLS S.A.	MACEDONIAN GINNING MILLS S.A.	MAVICOTON LTD	PELLA S.A.		
24. Plant propagation with crops	NOVA GREEN S.A.						
32. Growing of crops with trade & services	AGRIS S.A.						
33. Growing of crops with farming support activities	BIOS AGROSYSTEMS S.A.						
39. Specialised farming support activities	EKKOKKISTIRIA PAVLIDIS S.A.	GREENCO LTD	HELLENIC GRAINS S.A.	K. M. AGROTIKI L. KARAMBELA - I. MARKOY S.A.	SIARKOS S.A. COTTON GINNING		
47. Manufacturing of food products	AMBROSIAKIS KOTOPOUΛΑ EXOCHIS A.V.E.E..	DEAS S.A.	DELCOF S.A.	KARAGIORGOU, N., BROS S.A.			
48. Manufacturing of prepared animals feeds	MEGLAS, CHR., S.A.						
51. Production of electricity	G & P COTTON GINNERS S.A.						
56. Mixed farming & support activities	VITRO HELLAS S.A.						
59. Misc. trade and support services for crop production	DELIORIDIS SOLE SHAREHOLDER CO. LTD						

EL53 - West Macedonia

Figure 7. Regional comparative strengths in value chain segments in West Macedonia (*perennial trees & livestock*)

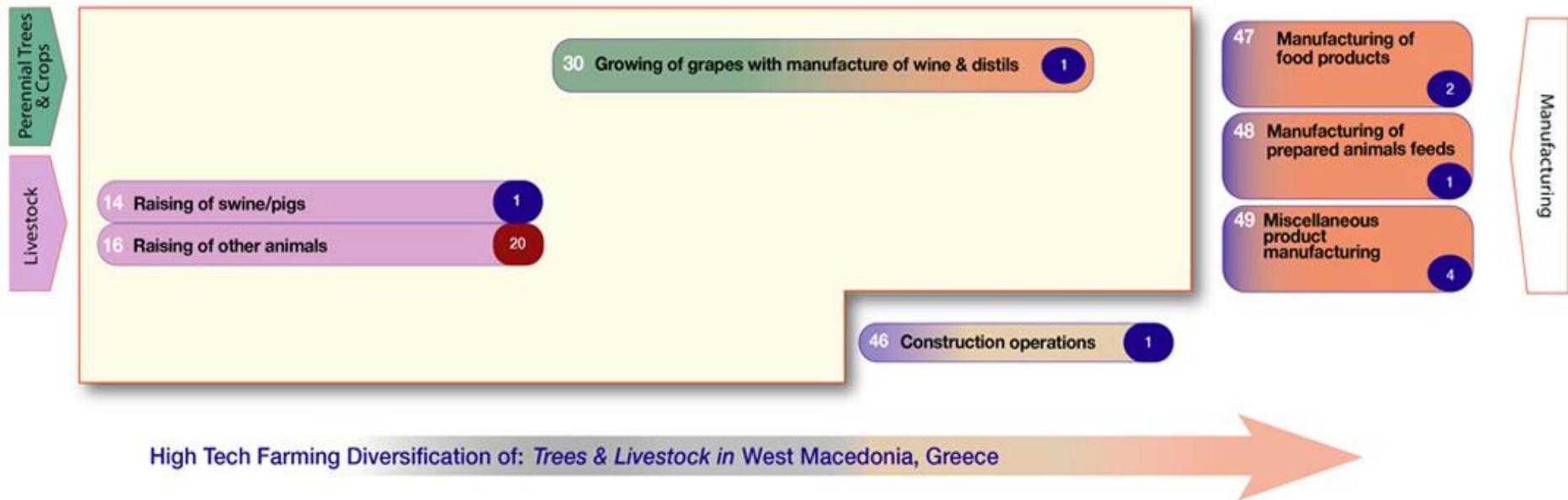


Table 28. Population of farming firms in West Macedonia

West Macedonia	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	29	1	30	13	1	3	12	1	30
	96.7%	3.3%	100.0%	43.3%	3.3%	10.0%	40.0%	3.3%	100.0%

Table 29. Regional diversification in West Macedonia (number of industry codes per firm)

West Macedonia	Regional diversification					
	1	2	3	6	Total	Mean
	22	5	1	2	30	2
	73.3%	16.7%	3.3%	6.7%	100.0%	

Example: 22 (73.3%) of all firms in the region in the database have only one industry code of activities.

Table 30. Distribution of firms in value chain segments in West Macedonia

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
14. Raising of swine/pigs			0	1			0	1
16. Raising of other animals	9	9	1	20	1,064	1,064	1	20
30. Growing of grapes with manufacture of wine & distils	40	40	1	1	7,573	7,573	1	1
46. Construction operations			0	1			0	1
47. Manufacturing of food products			0	2			0	2
48. Manufacturing of prepared animals feeds	30	30	1	1	23	23	1	1
49. Miscellaneous product manufacturing	15	15	1	4	817	817	1	4
Total	24	23	4	30	2,369	941	4	30

Table 31. Leading companies in value chain segments in West Macedonia

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016
16. Raising of other animals	HELLAS MINK FARM S.A.
30. Growing of grapes with manufacture of wine & distils	ALPHA ESTATE S.A.
48. Manufacturing of prepared animals feeds	MABIZ S.A.
49. Miscellaneous product manufacturing	KARAKOULAKIS, F., S.A.

ES11 – Galicia

Figure 8. Regional comparative strengths in value chain segments in Galicia (*arable crops, perennial trees & livestock*)

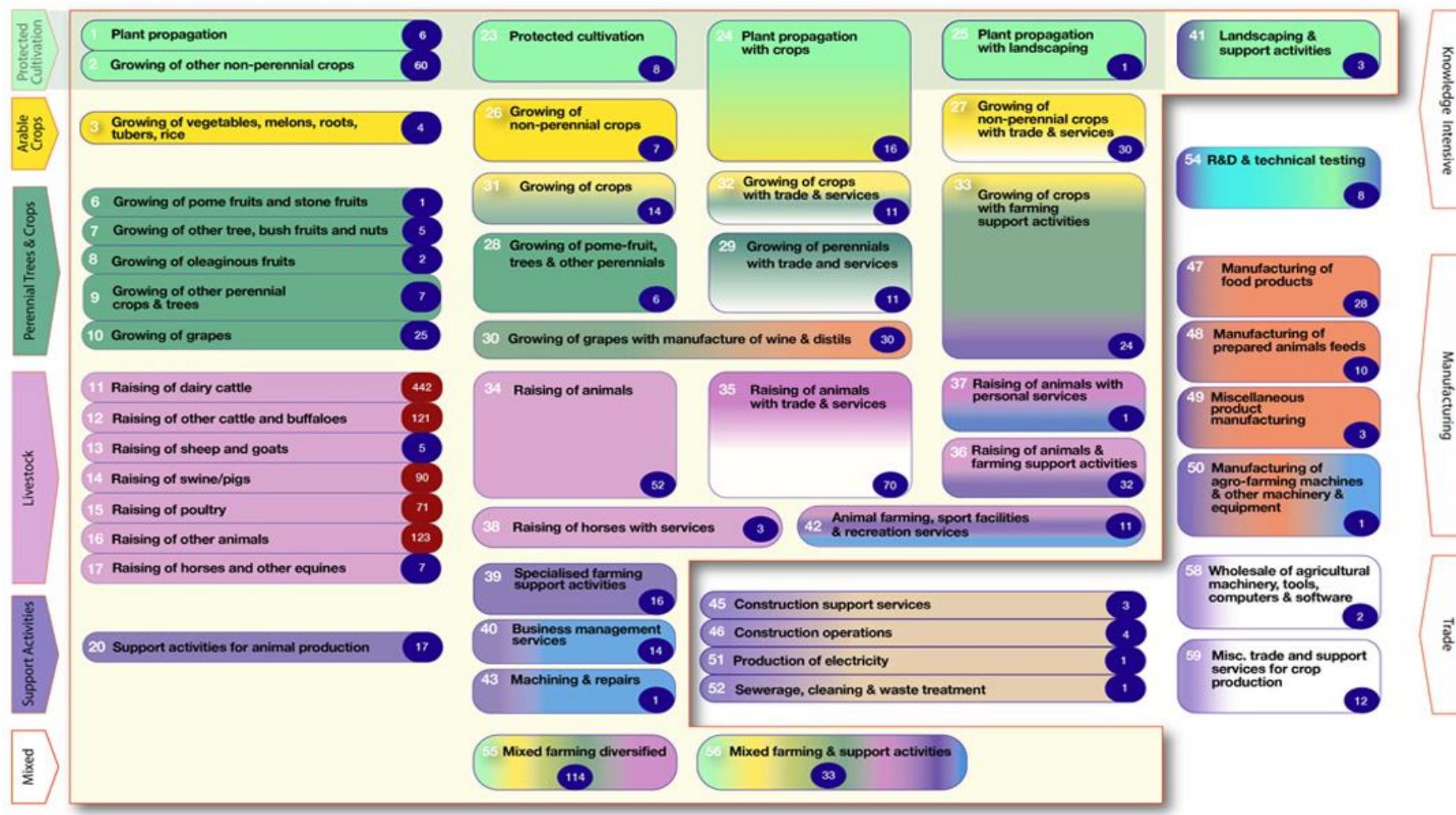


Table 32. Population of farming firms in Galicia

Galicia	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	1,518	49	1,567	923	276	190	129	49	1,567
	96.9%	3.1%	100.0%	58.9%	17.6%	12.1%	8.2%	3.1%	100.0%

Table 33. Regional diversification in Galicia (number of industry codes per firm)

Galicia	Regional diversification							
	1	2	3	4	5	8	Total	Mean
	920	394	185	48	19	1	1,567	2
	58.7%	25.1%	11.8%	3.1%	1.2%	.1%	100.0%	

Example: 920 (58.7%) of all firms in the region in the database have only one industry code of activities.

Table 34. Distribution of firms in value chain segments in Galicia

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	8	6	3	6	283	243	3	6
2. Growing of other non-perennial crops	3	2	19	60	221	221	2	60
3. Growing of vegetables, melons, roots, tubers, rice	4	4	2	4	85	88	3	4
6. Growing of pome fruits and stone fruits	3	3	1	1	72	72	1	1
7. Growing of other tree, bush fruits and nuts			0	5	96	96	1	5
8. Growing of oleaginous fruits			0	2		0	0	2
9. Growing of other perennial crops & trees	6	6	1	7		0	0	7
10. Growing of grapes	5	2	8	25	98	62	8	25
11. Raising of dairy cattle	3	2	357	442	409	311	76	442
12. Raising of other cattle and buffaloes	2	2	75	121	233	88	25	121
13. Raising of sheep and goats	3	2	4	5	484	484	2	5
14. Raising of swine/pigs	4	3	52	90	1964	549	32	90
15. Raising of poultry	9	2	39	71	4179	201	16	71
16. Raising of other animals	61	2	58	123	212	131	26	123
17. Raising of horses and other equines	2	2	2	7	27	19	4	7
20. Support activities for animal production	4	3	6	17	384	336	5	17
23. Protected cultivation	10	3	3	8	314	123	4	8
24. Plant propagation with crops	9	4	11	16	411	121	12	16
25. Plant propagation with landscaping	9	9	1	1	437	437	1	1
26. Growing of non-perennial crops	18	17	4	7	872	205	6	7
27. Growing of non-perennial crops with trade & services	8	3	16	30	549	151	20	30
28. Growing of pome fruit, trees & other perennials	15	2	3	6	309	30	5	6
29. Growing of perennials with trade and services	12	3	5	11	218	78	6	11
30. Growing of grapes with manufacture of wine & distils	7	5	14	30	351	169	20	30
31. Growing of crops	2	2	5	14	73	27	11	14
32. Growing of crops with trade & services	5	5	4	11	120	127	7	11
33. Growing of crops with farming support activities	4	4	15	24	208	157	19	24
34. Raising of animals	3	2	20	52	261	89	31	52
35. Rising of animals with trade & services	4	3	35	70	760	290	44	70
36. Raising of animals & farming support activities	8	4	16	32	771	289	18	32
37. Raising of animals with personal services			0	1		0	0	1
38. Raising of horses & services	2	2	1	3	22	22	1	3
39. Specialised farming support activities	9	3	10	16	1058	262	13	16
40. Business management services	82	7	9	14	104	42	10	14
41. Landscaping & support activities	7	7	2	3	117	89	3	3
42. Animal farming, sport facilities & recreation services	3	2	5	11	148	89	6	11
43. Machining & repair			0	1		0	0	1
45. Construction support services			0	3		0	0	3
46. Construction operations	65	65	2	4	21	31	3	4
47. Manufacturing of food products	13	6	12	28	682	205	15	28
48. Manufacturing of prepared animals feeds	31	12	7	10	896	320	7	10

49. Miscellaneous product manufacturing	198	198	1	3	38	38	2	3
50. Manufacturing of agro-farming & other machinery & equipment			0	1			0	1
51. Production of electricity			0	1			0	1
52. Sewerage, cleaning & waste treatment			0	1			0	1
54. R&D & technical testing	1	1	1	8	81	66	6	8
55. Mixed farming diversified	3	2	62	114	252	161	73	114
56. Mixed farming & support activities	5	3	21	33	317	219	24	33
58. Wholesale of agricultural machinery, tools, computers & software	1	1	1	2	75	75	1	2
59. Misc. trade and support services for crop production	33	11	6	12	1245	11	7	12
Total	9	2	919	1567	586	168	579	1567

Table 35. Leading companies in value chain segments in Galicia

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
1. Plant propagation	GALIPLANT ORNAMENTAL SL.	O GORINA VERDE SL.	VIVEROS CABALEIROS SL		
2. Growing of other non-perennial crops	ANTONIO ALVARINO SL	POSE LOUSA SL.			
3. Growing of vegetables, melons, roots, tubers, rice	RESETEA GESTION RESPONSABLE SL.	VIHORSALE SL.	VIVEROS CASA VALINA SL.		
6. Growing of pome fruits and stone fruits	OUROVERDE 2013 SL.				
7. Growing of other tree, bush fruits and nuts	GALICIANBERRIES S.L.				
10. Growing of grapes	CABANA DAS BOLBORETAS SL.	PAZO DE LIRA SL.	VEIGAS DO MINO SL	VINEDOS DEL NOROESTE SL.	VITICULTURA MONTERREY SOCIEDAD LIMITADA.
11. Raising of dairy cattle	CASA CARBALLO SAT	CEBOTERGA SL	CHAIN GANDERIA SL.	SAT POUPARINA 1195 LUGO	SAT REGUEIRO BRANCO N 1390 XUGA
12. Raising of other cattle and buffaloes	COROCERO E.I.L. SL.	FINCA CANEDO SL.	GANDERIA OUBEL SL	REINOS EXPLORACIONES GANADERAS SL	SAN MARTINO SAT
13. Raising of sheep and goats	GRANXA EDUCATIVA AGROGANDEIRA S.L.	GRANXA SANTA CATALINA SL			
14. Raising of swine/pigs	AVIPOR SILLEDA SL	COMERCIAL GERMAN SL	GENERAL GANADERA GALLEGA S.A.	GRUPO ALTOPASO S.L.	INTEGRACIONES SILLEDA SL.
15. Raising of poultry	AVICOLA DE GALICIA SA	GRANJA AVICOLA O-VISO SL	GRANJA CAMPOMAYOR SL	GRANJA RAMIL SA	SEMAFA SOUTELO SL
16. Raising of other animals	A CUNCA CUNICULTURA SL.	LA LAGUNA DE ANTELA SL	LOMAS PEL SL	PAZO DE LUSIO SL	PAZO VALDEDEUS SOCIEDAD LIMITADA.
17. Raising of horses and other equines	ACTIVITY CONTROL SL.	CENTRO EQUESTRE AS VERICAS SL	VALDEMUNDE TEAM SL	YEGUADA CASA ROMEO SL.	
20. Support activities for animal production	ARGOMA SACRA SL	COMODIDADE PARA O GANADO SL.	HELENA BLANCO SERVICIOS TECNICOS Y VETERINARIOS EQUINOS SL.	PODOLOXIA IRMANS LOPEZ SL	SEPOGAN EO SL
23. Protected cultivation	COMPANIA AGRICOLA INTERNACIONAL COAGRIN SL	FLORES IRIA FLAVIA SL	JARDINERIA LOPEZ Y ARIAS SL	VIVEROS NILO SL	
24. Plant propagation with crops	DASO MAR SL	PLANTAGALIA SL.	VIVEIRO COREMA SL	VIVEIROS RIO TOLLO SL	VIVEROS JUAN PEIXOTO SL
25. Plant propagation with landscaping	SILLEDA JARDIN SL				
26. Growing of non-perennial crops	HIFAS DA TERRA S.L.	HORTIVAL NARON SL	INVERSIONES COSTA NACARA SL	PRADEDO HORTICULTURA SL	VIVEROS DENOY SL
27. Growing of non-perennial crops with trade & services	ALBITA SL	HORTALIZAS R LOPEZ SL	JARDINERIA ARCE SL	PROMOINVER GALICIA SL	VIDAPLAN SL
28. Growing of pome fruit, trees & other perennials	CITRICOS EL ROSELLON SL	EXPLORACIONES AGRARIAS DE CASTRELOS SL	EXPLORACIONES AGRARIAS PAZO DA BOUCINA SL	FONTINA AGROINVERSIONES SL	TERRAS DE RAMUIN SL
29. Growing of perennials with trade and services	ABADIA SAN BENITO SL	AGROFLOR NICRAXALLAS SL	HORTICINA SA	TERRAS GAUDA VINEDOS SL	VIVERO BERGANTINOS SL
30. Growing of grapes with manufacture of wine & distils	AGROMINO SL	BODEGAS LA TAPADA SA T	SAT AS REGAS N 924 XUGA	SENIORIO DE RUBIOS SOCIEDAD LIMITADA.	VINAS E TERRAS DO PAZO SL
31. Growing of crops	PONTECABALEIROS SL	QUEIROA SL	SAT A PEMENTEIRA	SOLAGRA SA	VIVEROS VEDO SL
32. Growing of crops with trade & services	AGRICOLA ANMAR SL.	INVERKIWI ESTEVEZ SL	MARCELINO ACUNA SA	VIVEROS MENDE SL	VIVEROS RIAS BAJAS SL
33. Growing of crops with farming support activities	GESTION INTEGRAL DE VINEDOS SL	HORTALIZAS BACELO SL	O RAMUDO SL	PERILLA SAT N 1031 XUGA	VIVEROS BOTANICA SA

34. Raising of animals	CAMILO FRAGA SL	GANDERIA SAR SL.	GRANJAS PORTELA SL	MEIJOMIN SL	TESBO AGRICOLA GANADERA SL
35. Rising of animals with trade & services	ALFREDO GALVAN SL	CARNICAS GALBAN SL	GANADOS SANTABALLA SL	GENETICA RUBIA SL	PAZO DE VILANE SL
36. Raising of animals & farming support activities	ASOCIACION PROVINCIAL DE CREIADORES DE FRISON DE A CORUNA PARA O CONTROL OFICIAL DE RENDEMENTOS AFRICOR CORUNA	DEVESAS LANGUEIRON SL.	EXPORGONDO SL	GANADOS LAGO SL	SAT N 494 XUGA GOMELLE
38. Raising of horses & services	REVESO SL				
39. Specialised farming support activities	AGRITECNICA GANADERA SL	ASOCIACION PROVINCIAL GANADEROS LUGO CONTROL DE RENDIMENTOS AFRICOR LUGO	CENTRO DE PROCESADO DE SUBPRODUCTOS SL.	GANADOS ABADE SL	RAMUDO SERVICIOS AGRARIOS SL
40. Business management services	BENCINA SERVICIOS GENERALES SL	DIZ GUEDES ASOCIADOS SL	G-5 CONSULTORES DE EMPRESA SL	GRUPO EMPRESARIAL COPO SA	UNION DE INVERSIONES MINO S.A.
41. Landscaping & support activities	JARFOREST SL	RAICES DE GALICIA SL	XARLIMPA SL		
42. Animal farming, sport facilities & recreation services	CENTRO ECUESTRE PINTENO SL	ELMAJU SL	ENVIDIA SL	GANADERIA LA PAINZA SL	TECNAGI SL.
46. Construction operations	CONSTRUCCIONES PRADA VILANOVA SL	FLETAPORT SL	SUMINISTROS COREN SA		
47. Manufacturing of food products	AVICOLA MONTEGRANDE SL	AVIPORTO SL	HUEVOS YEMA DE ORO SL	RIVADULLA SL	VILLAMAYOR DE NEGRAL SAT
48. Manufacturing of prepared animals feeds	COREN AGROINDUSTRIAL SA	PIENSOS LEON SL	TECNICAS DE NUTRICION SA	VISIONES CARIDE SL	XARALEIRA SL.
49. Miscellaneous product manufacturing	AREAZOS SL	CZ VETERINARIA, SA			
54. R&D & technical testing	CRESTA Y PICO SL	ENURCOIN SL.	MUXITES MEJUTO SL	SONDARA SOLUCIONS SLNE	UVAS ATLANTICAS SL.
55. Mixed farming diversified	AGROPECUARIA MONTE CHICO SL	DENOY SA	GRANCORONA SL	SAT FINCA AROSA	VILLAMEITIDE SL
56. Mixed farming & support activities	AGROFORESTAL CANDAL SL	FERDIGAN SL	FIBA SA T N 1173 XUGA	MURAT CONSTRUCCION Y MANTENIMIENTO SL.	VAZQUEZ OURANTES SL
58. Wholesale of agricultural machinery, tools, computers & software	SUMINISTROS E INSTALACIONES RIOVERDE S.L.				
59. Misc. trade and support services for crop production	COREN GRILL SA	FALCON VEIGA SL	GALLEGAS DE ALIMENTACION SA	GANADOS VARELA & VARELA SL	MEJILLONERAS CONS DE UDRA SL

ES43 – Extremadura

Figure 9. Regional comparative strengths in value chain segments in Extremadura (*arable crops, perennial trees & livestock*)

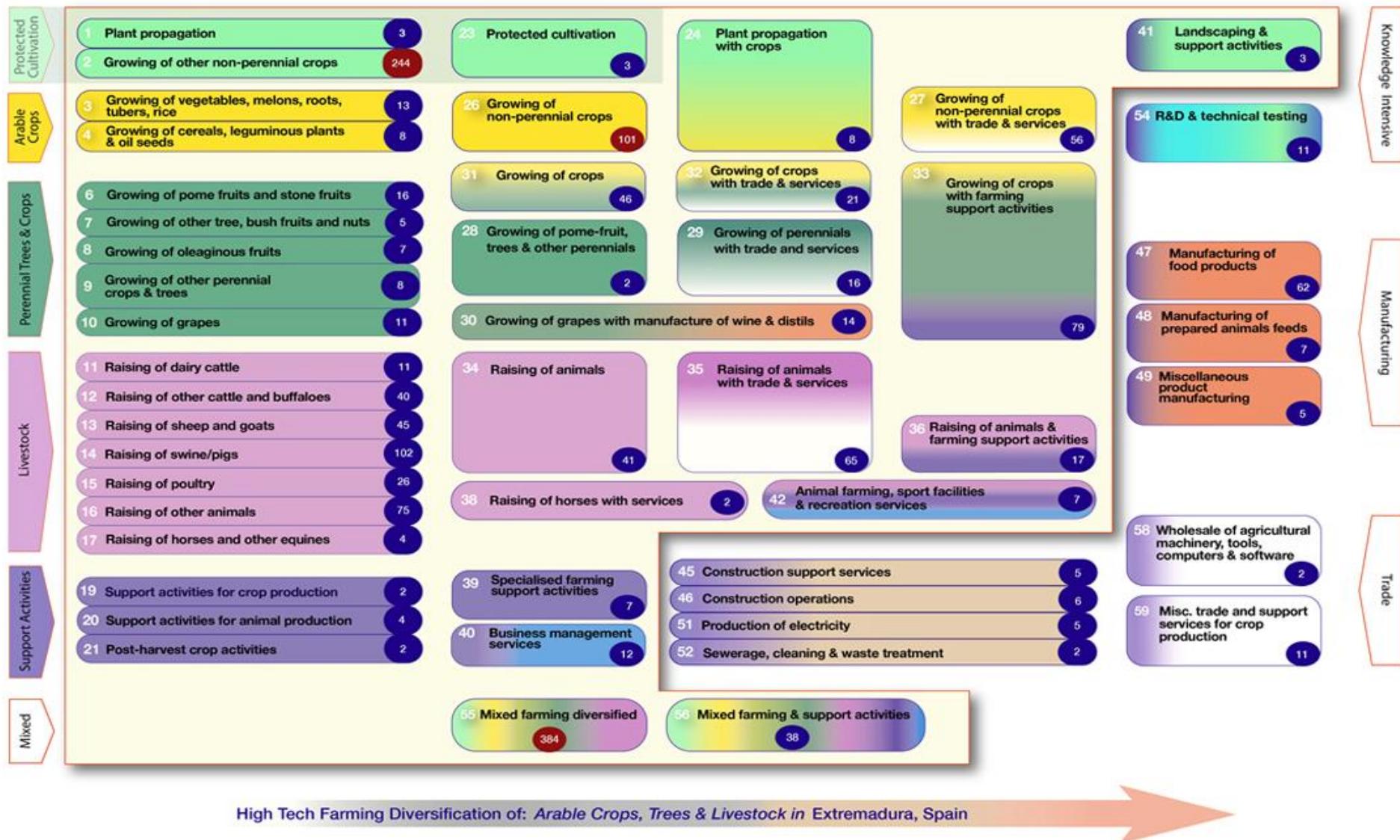


Table 36. Population of farming firms in Extremadura

Extremadura	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	1,600	64	1,664	683	321	296	300	64	1,664
	96.2%	3.8%	100.0%	41.0%	19.3%	17.8%	18.0%	3.8%	100.0%

Table 37. Regional diversification in Extremadura (number of industry codes per firm)

Extremadura	Regional diversification								
	1	2	3	4	5	6	7	Total	Mean
	657	534	326	115	28	3	1	1,664	2
	39.5%	32.1%	19.6%	6.9%	1.7%	.2%	.1%	100.0%	

Example: 657 (39.5%) of all firms in the region in the database have only one industry code of activities.

Table 38. Distribution of firms in value chain segments in Extremadura

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation			0	3			0	3
2. Growing of other non-perennial crops	7	2	63	244	720	23	5	244
3. Growing of vegetables, melons, roots, tubers, rice	11	4	9	13	1,080	651	8	13
4. Growing of cereals, leguminous plants & oil seeds	7	7	4	8	324	236	8	8
6. Growing of pome fruits and stone fruits	2	2	2	16	66	66	1	16
7. Growing of other tree, bush fruits and nuts			0	5			0	5
8. Growing of oleaginous fruits	2	2	2	7			0	7
9. Growing of other perennial crops & trees	7	8	4	8	192	192	2	8
10. Growing of grapes	6	5	4	11	979	979	1	11
11. Raising of dairy cattle	4	2	7	11	773	384	3	11
12. Raising of other cattle and buffaloes	2	2	22	40	519	221	10	40
13. Raising of sheep and goats	3	2	16	45	1,228	81	10	45
14. Raising of swine/pigs	3	2	43	102	1,334	644	22	102
15. Raising of poultry	8	2	15	26	7,123	363	4	26
16. Raising of other animals	2	2	18	75	251	124	9	75
17. Raising of horses and other equines	3	3	2	4	239	239	2	4
19. Support activities for crop production	15	15	1	2	3	3	1	2
20. Support activities for animal production	3	3	1	4	100	100	1	4
21. Post-harvest crop activities			0	2			0	2
23. Protected cultivation	10	10	1	3	1,064	1,064	1	3
24. Plant propagation with crops	5	5	5	8	404	484	6	8
26. Growing of non-perennial crops	9	3	44	101	393	214	60	101
27. Growing of non-perennial crops with trade & services	6	3	29	56	3,709	362	39	56
28. Growing of pome fruit, trees & other perennials			0	2			0	2
29. Growing of perennials with trade and services	19	10	7	16	1,522	810	8	16
30. Growing of grapes with manufacture of wine & distils	10	9	6	14	1,415	176	6	14
31. Growing of crops	8	4	29	46	334	193	31	46
32. Growing of crops with trade & services	59	32	12	21	1,386	298	12	21
33. Growing of crops with farming support activities	7	4	31	79	584	235	43	79
34. Raising of animals	2	2	13	41	338	192	18	41
35. Raising of animals with trade & services	13	2	24	65	1,650	385	34	65
36. Raising of animals & farming support activities	3	2	11	17	661	215	12	17
38. Raising of horses & services	1	1	1	2	54	54	1	2
39. Specialised farming support activities	2	2	2	7	306	277	4	7
40. Business management services	10	3	5	12	459	2	6	12
41. Landscaping & support activities	86	86	1	3	1,497	1,497	2	3
42. Animal farming, sport facilities & recreation services	3	2	3	7	189	137	3	7
45. Construction support services	1	1	1	5	77	77	1	5
46. Construction operations	1	1	1	6	134	51	3	6
47. Manufacturing of food products	39	7	30	62	5,192	659	34	62
48. Manufacturing of prepared animals feeds	7	7	4	7	2,557	300	4	7

49. Miscellaneous product manufacturing	12	12	2	5	1,967	1,967	2	5
51. Production of electricity	8	8	2	5	283		3	5
52. Sewerage, cleaning & waste treatment			0	2			0	2
54. R&D & technical testing	4	3	8	11	209	110	8	11
55. Mixed farming diversified	5	2	169	384	478	152	223	384
56. Mixed farming & support activities	5	3	17	38	530	232	22	38
58. Wholesale of agricultural machinery, tools, computers & software	4	4	1	2	401	401	1	2
59. Misc. trade and support services for crop production	8	8	2	11	4	3	3	11
Total	8	3	674	1,664	1,080	212	677	1,664

Table 39. Leading companies in value chain segments in Extremadura

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
2. Growing of other non-perennial crops	AGRICOLA RABINCHES SL	EXPLOTACIONES AGRARIAS EL ARIERO S.L.	PRESTACIONES Y SERVICIOS ESQUINAS-BALMASEDA SL	ROFIMAN SAT	VALDESIERRAS BIO S.L.
3. Growing of vegetables, melons, roots, tubers, rice	AGRICOLA CANO FERNANDEZ S.L.	EXPLOTACIONES AGRICOLAS VICENTE RUBIO S.L.	FINCA DE PELA SL	MANCHA RETAMAR SAT	VALDEHERMOSILLO S.L.
4. Growing of cereals, leguminous plants & oil seeds	AGROMANGAS S.L.	AGROMIAJADAS SL.	GARCIA SERVICIOS AGRICOLAS N 9451 SA T	JARIZA N 7577 SAT	SAT PEREZ CORTES EX060002
6. Growing of pome fruits and stone fruits	EL OLIVAR DE SAN JOSE SL.				
9. Growing of other perennial crops & trees	BIOSTEVERA SL.	FAMILIA MERCHAN SANTIAGO S.L.			
10. Growing of grapes	VINEDOS POZANCO SL				
11. Raising of dairy cattle	GANADERA DE VALDELACASA SL	LOS ROSALES CASAR DE CACERES SL	TERNEREX S.L.		
12. Raising of other cattle and buffaloes	EXPLOTACION GANADERA GONZALEZ PULIDO SL	FINCA LA PETROLEA SL	MONTEMOHEDA SL	MORDAZO SL	NAVALHOYO GANADERA SL
13. Raising of sheep and goats	AGROPECUARIA LAS CABEZAS S.L.	AGROPECUARIA VIRGEN DEL MAR SL	APROVISERENA S. A. T. 10002	DEHESA DE LA ARGUIJUELA SL	GANADERA FUENLABRA S.C.
14. Raising of swine/pigs	AGRICULTURAS DIVERSAS SL	AGROPECUARIA CERRO METERIO SL	DIGAISA SA	ENTRERRISCOS SL	LA BELLOTA DULCE SL
15. Raising of poultry	AVICOLA VALDEVINAS S.L.	AVICOLAS LA FUENTE SDAD COOP ESPECIAL	GRANJA ROAL SL	GRANJAS CANTOS BLANCOS SUR SL	
16. Raising of other animals	AGRICOLA GARCIA QUINTANA ESPANOLA S.L.	CUNDEGAN SL	DEHESA DE VALRIO SL	FUENTE DEL REY DE CACERES SL.	LA PURIFICACION AGRICOLA GANADERA SL
17. Raising of horses and other equines	EXPLOTACION GANADERA LAS NAVAS DE LA MORERA S.L.	YEGUADA LA SANTA SL.			
19. Support activities for crop production	INGENIERIA Y RIEGOS EXTREMADURA S.L.				
20. Support activities for animal production	ANTONIO CARRETERO Y SEIS MAS SL				
23. Protected cultivation	MAPITI SL				
24. Plant propagation with crops	BATANEJO SL	CAROJESA SL	EXPLOTACIONES AGROPECUARIAS LA GIRALTA SL	JAREX CULTIVOS SL	OVEJEX SL
26. Growing of non-perennial crops	ADOBAL SA	AGRO ALBALA SA	AGRO ARRABAL SA	AGROPECUARIA MUNICIPAL DE GUARENA SA	FRUTAS DEL GUADIANA SA
27. Growing of non-perennial crops with trade & services	ACOPAEX SC L	AGROCAM SC L	COOPERATIVA AGRICOLA DE MEDELLIN	SDAD COOP RIO BURDALO	SOC.COOP.NTRA SENORA DE LOS ANGELES DE CAMPO LUGAR
29. Growing of perennials with trade and services	COMERCIAL SOLIS MARQUEZ SL	COOPERATIVA DEL CAMPO LAS VILLUERCAS	EXPLUM SDAD COOP	FRUTAS Y HORTALIZAS JEB SL	FRUTOS DE VETTONIA SL
30. Growing of grapes with manufacture of wine & distils	EL CUMBROŃN SL	PAGO LOS BALANCINES SL	SANTA MARIA MAGDALENA DE SOLANA DE LOS BARROS S COOP LTDA	SAT SAN ANTONIO	VINAS DE ALANGE SA
31. Growing of crops	DONFRUIT SL	EXTREMADURA SANA S.L.	EXVEAL SL	HERMANOS HERNANDEZ	LAS ROZAS DE SAN MIGUEL SL

				RAMIREZ EXPLORACIONES AGRICOLAS Y GANADERAS SL	
32. Growing of crops with trade & services	COOP VEGAS BAJAS	FERBAE SL	FRUTICOLA CASTELNOVO SL	FRUTICOLA EL BARRILLO SL	FRUTICOLA SAJONIA SL
33. Growing of crops with farming support activities	AGROTRACCION EXTREMENA SL	ASOCIACION INTERPROFESIONAL DEL CERDO IBERICO	DARYMA SL	LAS MONGIAS SDAD COOP	SCL DEL CAMPO DE LA SANTA CRUZ DE ARROYO DE SAN SERVAN
34. Raising of animals	BRAVO TENA SL	EXPLOTACIONES ALEJE S.L.	EXPLOTACIONES LA PEQUENA SL	GANADERA HELYAN SL	LUCIANO FERNANDEZ SL
35. Rising of animals with trade & services	BOVIFRIAS SL	GANADOS VARILLAS SL	RUBIO BARRANTES SL	SCL COMARCAL AGRICOLA GANADERA DE CASTUERA	SOCIEDAD COOPERATIVA APIHURDES
36. Raising of animals & farming support activities	AGROGANADERA SIERRA DE ALOR SA	ALMAGRERA 2014 S.L.	CEREALES GOMAR SL	RODOLFO TORRES SERVICIOS VETERINARIOS SL	SERVICIOS INTEGRALES GANADEROS EXTREMENOS SL
38. Raising of horses & services	NUEVO MANANTIAL FOLK SL				
39. Specialised farming support activities	AGRICOLA LUCHANA SL	COOP Y CAJA RURAL NUESTRA SRA DE LOS HITOS DE ALCANTARA	REGAJO GRANDE SL	SDAD COOP AGRARIA SANTA MARIA DEL OLMO D	
40. Business management services	ALBROK MEDIACION SA	ANTUNEZ ASESORES SL	JARILLA Y BARRANTES CERVANTES S.L.	MOVILEX RECYCLING GROUP S.L.	SOCIEDAD EXTREMENA DE COMERCIALIZACION DE PRODUCTOS AGROINDUSTRIALES SL
41. Landscaping & support activities	AGRICOLA MUNICIPAL SA	ORNAMENTALES DEL GUADIANA SAL			
42. Animal farming, sport facilities & recreation services	EMLEZA SL	JOSE ANTONIO FERRERA SANMARCOS SL.	JOSE MARIA MANZANARES SL		
45. Construction support services	NIVELACIONES DONVAL SL				
46. Construction operations	AGRICOLA GANADERA REDONDO SL	EMPRESARIAL MEJOSTILLA SL	TIERRAS EXTREMENAS SL		
47. Manufacturing of food products	AGRAZ SA	COOP LOCAL DEL CAMPO SAN ISIDRO LABRADOR NAVALVILLAR DE PELA	EXTREMENA DE ARROCES SC	MAZAFRA SL	TRANSFORMACIONES AGRICOLAS DE BADAJOZ SA
48. Manufacturing of prepared animals feeds	CERIBEX SL	HERGONVA SA	OCCIDENTAL DE PIENSOS SL	RAIMUNDO DOMINGUEZ SL	
49. Miscellaneous product manufacturing	AGRICOLA DE BALBOA SL	SAMACOR SOCIEDAD ANONIMA			
51. Production of electricity	FRUTAS FERNANDEZ NATUR S.L.	INVERSIONES FINANCIERAS E INMOBILIARIAS TORREMOCHA SL	PLANIFICACION URBANISTICA TORREMOCHA SL		
54. R&D & technical testing	ACTUACIONES RENOVABLES 2008 SL	ASESORIA AGRICOLA EXTREMENA SL	BIORCC ALMERIA S.L.	ECOGESTIONA SUROESTE SL	NOREX AGRICOLA SL
55. Mixed farming diversified	AGROGANADERA CHARRA SL	AGROINVERSIONES HERMANOS SAEZ SL	DEhesa de SOLANA EXTREMADURA SL	EXPLOTACIONES AGRICOLAS ROSA SL	LA CHERNECA SL
56. Mixed farming & support activities	AGRIMOR SAT	AGROEXTREM DE TALAYUELA SL	SALCAMPOS S.L.	SAT N 3225 LOS ACEVEDOS DEL CORDEL	TOVAR ROMERO SA
58. Wholesale of agricultural machinery, tools, computers & software	AGROJARDIN FRANPA SL				
59. Misc. trade and support services for crop production	FARM FRUIT SL	FERRETERIA TORMANTOS SL	MOVILIDAD DE EXTREMADURA DE RECICLAJE DE APARATOS ELECTRICOS Y ELECTRONICOS SL		

FI194 - South Ostrobothnia

Figure 10. Regional comparative strengths in value chain segments in South Ostrobothnia (*arable crops & livestock*)

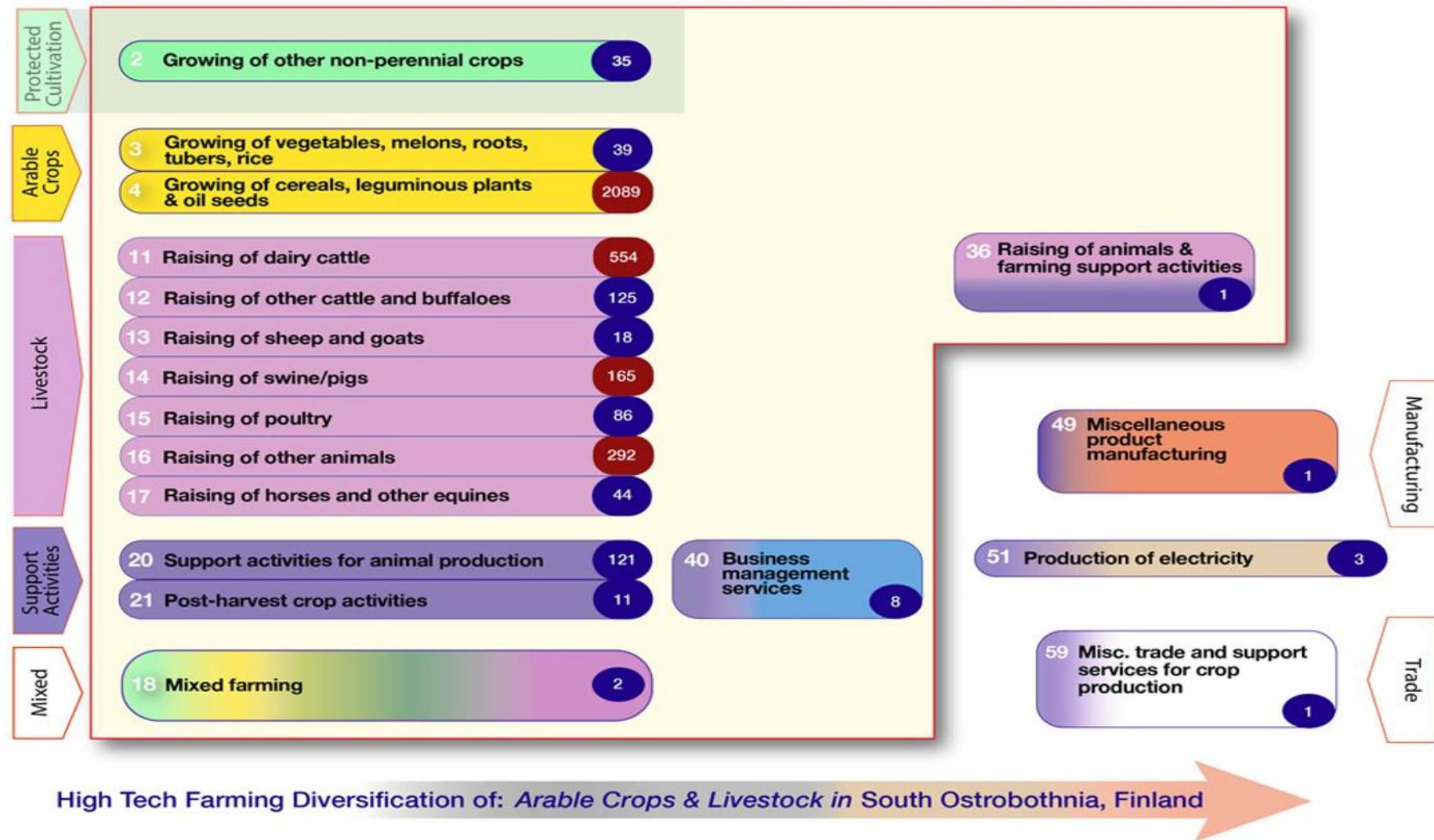


Table 40. Population of farming firms in South Ostrobothnia

South Ostrobothnia	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	3,581	14	3,595	2,930	489	89	73	14	3,595
	99.6%	.4%	100.0%	81.5%	13.6%	2.5%	2.0%	.4%	100.0%

Table 41. Regional diversification in South Ostrobothnia (number of industry codes per firm)

South Ostrobothnia	Regional diversification				
	1	2	3	Total	Mean
	3,593	1	1	3,595	1
	99.9%	.0%	.0%	100.0%	

Example: 3593 (99.9%) of all firms in the region in the database have only one industry code of activities.

Table 42. Distribution of firms in value chain segments in South Ostrobothnia

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
2. Growing of other non-perennial crops	2	2	25	35	207	100	26	35
3. Growing of vegetables, melons, roots, tubers, rice	4	2	35	39	548	100	39	39
4. Growing of cereals, leguminous plants & oil seeds	2	2	2,080	2,089	102	100	2,089	2,089
11. Raising of dairy cattle	2	2	381	554	139	100	387	554
12. Raising of other cattle and buffaloes	2	2	95	125	137	100	97	125
13. Raising of sheep and goats	2	2	7	18	100	100	7	18
14. Raising of swine/pigs	2	2	108	165	264	100	117	165
15. Raising of poultry	2	2	41	86	566	385	65	86
16. Raising of other animals	2	2	129	292	212	100	198	292
17. Raising of horses and other equines	2	2	21	44	97	100	26	44
18. Mixed farming	4	4	1	2	1	1	1	2
20. Support activities for animal production	2	2	64	121	144	100	69	121
21. Post-harvest crop activities	2	2	4	11	130	100	6	11
36. Raising of animals & farming support activities	20	20	1	1	2,137	2,137	1	1
40. Business management services			0	8			3	8
49. Miscellaneous product manufacturing			0	1	2	2	1	1
51. Production of electricity	2	2	1	3	100	100	1	3
59. Misc. trade and support services for crop production			0	1			1	1
Total	2	2	2,993	3,595	138	100	3,134	3,595

Table 43. Leading companies in value chain segments in South Ostrobothnia

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
2. Growing of other non-perennial crops	EJ-TARHAT OY	HANTULAN TAIMI OY	LAURILAN PUUTARHA OY	MARJAANA SUOMINEN	SILTAOJAN PUUTARHA OY
3. Growing of vegetables, melons, roots, tubers, rice	KAUHAJOEN PUUTARHA OY	KAUPPAPUUTARHA KULLMAN & WEEGAR OY	MATTI TAMSI OY	SEINAJOEN PUUTARHA OY SEPU	WAAKSYN PUUTARHA OY
4. Growing of cereals, leguminous plants & oil seeds	ISO-TUISKU MARKO TAPANI	KUIVINEN TONI MIKAEL	LILJA FARMS OY	MAATILA VILLE SAARI	T:MI J MARKKILA
11. Raising of dairy cattle	FINNMILK OY	ILVESSAAREN MAATILA OY	JARVELA JUSSI MAATILA	KANTONIEMEN TILA OY	MAIKAU OY
12. Raising of other cattle and buffaloes	HUHTALA ARTO MK	JASEFARM OY	RISTIMAKI ANTERO MAATILA	SULKAVA VILLE- VEIKKO EEMIL	VIITALA ARTO MAATILA
13. Raising of sheep and goats	KALEMAA TELLERVO ANNIKKI	LOUKO REINO JAAKKO	SURMA-AHO ESA OSKARI		
14. Raising of swine/pigs	KAUHAPORK OY	LUXPORK OY	MANUPORK OY	SIKATIIMI OY	TOPSELITUOTE OY
15. Raising of poultry	ALATALON TIPI OY	ANSSI SAUNAMAKI	HEIKKI PANULA OY	MAKIKANAT KY	SANTIN BROILER KY

16. Raising of other animals	EVIJARVEN JORMA TAHTINEN OY	JT-TURKIS OY	KORPIKETTU KULTALAHTI OY	ML KUJALA OY	TALVITIEN TURKISTARHA OY
17. Raising of horses and other equines	BROADWAY STABLE OY	ILKKA PYSTYKOSKI	KELJO RAIMO ENSIO	KESKINEN- PELTOMAA MAARIT ANNELI	WEST BREEDING OY
18. Mixed farming	PORSASSUORA OY				
20. Support activities for animal production	E&S. HONKOLA OY	FINNPIG OY	ISTOLAHTI TAPIO JUHANI	KIELINEN OY	KUIVAAJAYHTYMA J. ROPPONEN
21. Post-harvest crop activities	LAKEUDEN SIILO OY	PELTOLAN KONEYHTYMA	PERASEINAJOEN KIHNIÖNKYLAN MAAMIESSEURA R.Y.	PUIMURIYHTYMA KANANOJA JA KUPIAINEN	YLISTRARON YLIPÄÄN MAAMIESSEURA R.Y.
36. Raising of animals & farming support activities	FIGEN OY				
40. Business management services	BOTNIA PARK OY	MIEDON TEOLLISUUSKIINTEISTÖT OY		MUNAKAN MASIINA OY	
49. Miscellaneous product manufacturing	KESTOPALKKI LPJ OY				
51. Production of electricity	KOMSI KARI JOUNI				
59. Misc. trade and support services for crop production	PARTNET OY				

FR51 - Pays de la Loire

Figure 11. Regional comparative strengths in value chain segments in Pays de la Loire (*arable crops & perennial trees*)

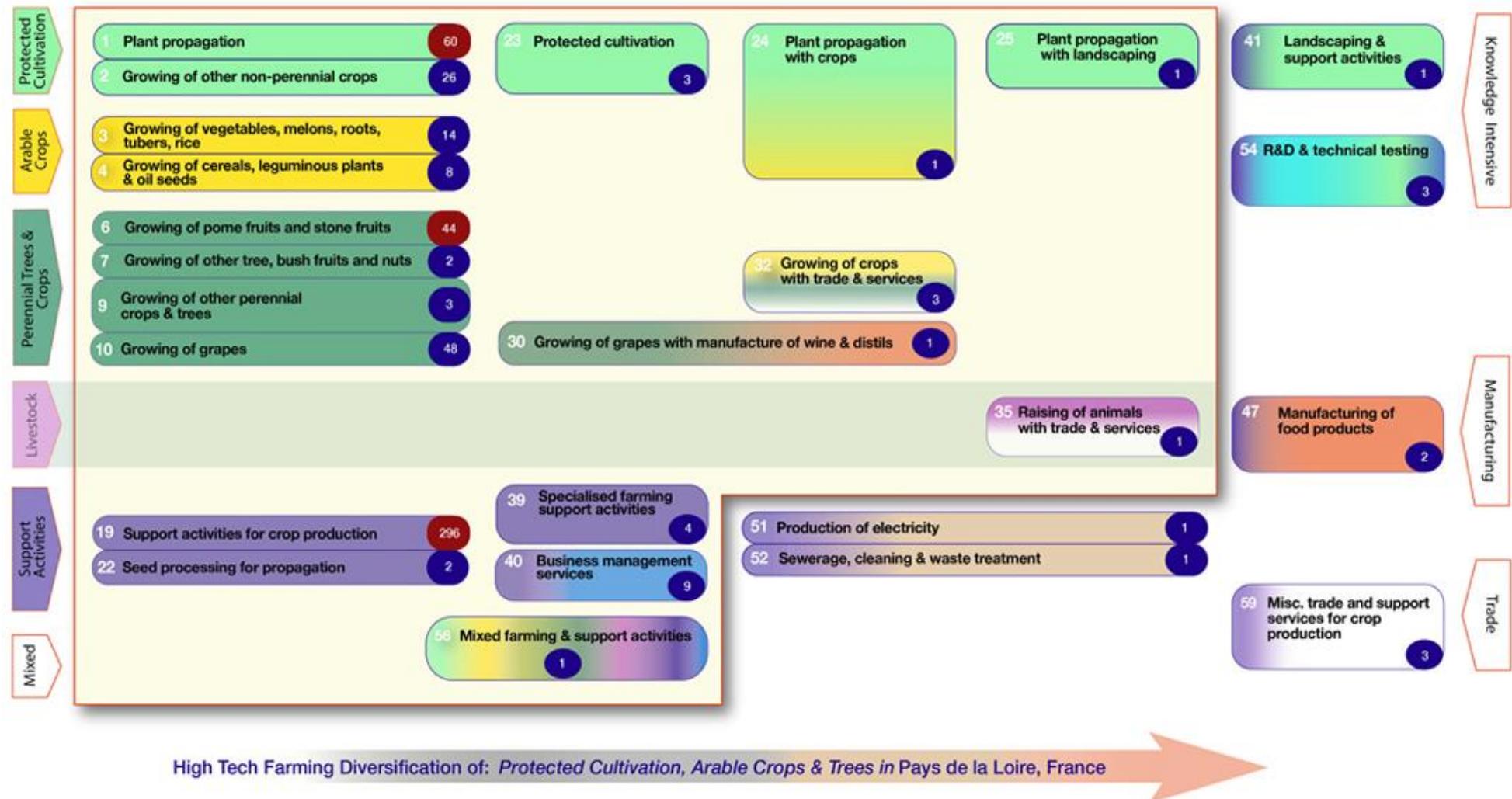


Table 44. Population of farming firms in Pays de la Loire

Pays de la Loire	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	522	16	538	130	24	149	219	16	538
	97.0%	3.0%	100.0%	24.2%	4.5%	27.7%	40.7%	3.0%	100.0%

Table 45. Regional diversification in Pays de la Loire (number of industry codes per firm)

Pays de la Loire	Regional diversification			
	1	2	Total	Mean
	517	21	538	1
	96.1%	3.9%	100.0%	

Example: 517 (96.1%) of all firms in the region in the database have only one industry code of activities.

Table 46. Distribution of firms in value chain segments in Pays de la Loire

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	59	47	8	60	3,401	968	22	60
2. Growing of other non-perennial crops	22	17	8	26	3,362	2,569	15	26
3. Growing of vegetables, melons, roots, tubers, rice	104	18	6	14	11,758	3,289	13	14
4. Growing of cereals, leguminous plants & oil seeds	17	17	1	8	3,732	819	8	8
6. Growing of pome fruits and stone fruits	36	41	7	44	2,017	1,610	18	44
7. Growing of other tree, bush fruits and nuts			0	2			0	2
9. Growing of other perennial crops & trees			0	3			0	3
10. Growing of grapes	7	7	4	48	580	376	12	48
19. Support activities for crop production	5	5	18	296	790	722	56	296
22. Seed processing for propagation	38	38	1	2	3,362	3,362	1	2
23. Protected cultivation			0	3	1	1	1	3
24. Plant propagation with crops	56	56	1	1	24,917	24,917	1	1
25. Plant propagation with landscaping			0	1			0	1
30. Growing of grapes with manufacture of wine & distils			0	1			0	1
32. Growing of crops with trade & services	25	25	2	3	31	34	3	3
35. Rising of animals with trade & services	6	6	1	1	2	2	1	1
39. Specialised farming support activities	9	9	2	4	1,486	1,486	2	4
40. Business management services			0	9	3,340	3,340	2	9
41. Landscaping & support activities			0	1			0	1
47. Manufacturing of food products	137	137	1	2	19,617	19,617	1	2
51. Production of electricity			0	1			0	1
52. Sewerage, cleaning & waste treatment	19	19	1	1	1	1	1	1
54. R&D & technical testing			0	3			0	3
56. Mixed farming & support activities	1	1	1	1	226	226	1	1
59. Misc. trade and support services for crop production	1	1	1	3	6	6	3	3
Total	31	8	63	538	2,816	773	161	538

Table 47. Leading companies in value chain segments in Pays de la Loire

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
1. Plant propagation	ANDRE BRIANT JEUNES PLANTS	BARRAULT HORTICULTURE	CHALLET HERAULT	JCT PLANTS SAS	MERCIER FRERES
2. Growing of other non-perennial crops	BIGOT FLEURS	FROGER FLEURS	HORTENSIAS FRANCE PRODUCTION	SAS BENOIST SEM	SAULAIS
3. Growing of vegetables, melons, roots, tubers, rice	BRARD GRAINES	LA FESSARDIERE DE TURQUANT	SA EUROMYCEL	SAS CHAMPIGNONNIERES DES ROCHES	VILMORIN
4. Growing of cereals, leguminous plants & oil seeds	LE MOULIN DES CHASLES	SOCIETE A RESPONSABILITE LIMITEE LEFEVRE	SOCIETE COOPERATIVE DES TROIS PROVINCES	TECHNISEM	TERRE NEUVE
6. Growing of pome fruits and stone fruits	LES PEPINIERES DE L'EVRE	LES VERGERS DE LA COCHETIERE	PEPINIERES LA FORET	VERGERS DE LA MORINETTE	VERGERS DE LA TESSERIE
10. Growing of grapes	DOMAINE DE LA PALEINE	DU DOMAINE DES ROCHES NEUVES	FAMILLE JOLY	POUPARD	SAS DES GILLIERES
19. Support activities for crop production	COULON TRAVAUX AGRICOLE	SARL AGRI-OUEST	SARL CHANTEUX	SARL ENTREPRISE PROVOST	SOCIETE LEVEILLE PERE ET FILS
22. Seed processing for propagation	SEMARA				
23. Protected cultivation	SINDARA				
24. Plant propagation with crops	BEJO PRODUCTION				
32. Growing of crops with trade & services	GERFRUIT	POM'EVASION	VALDIPOM		
35. Raising of animals with trade & services	PLANDANJOU				
39. Specialised farming support activities	B M AGRISERVICES	VENDEA			
40. Business management services	MERCERON ENVIRONNEMENT	VEGESUPPLY			
47. Manufacturing of food products	LES COTEAUX NANTAIS				
52. Sewerage, cleaning & waste treatment	AGGLO- ENVIRONNEMENT				
56. Mixed farming & support activities	TRAVAUX AGRICOLE LECORRE				
59. Misc. trade and support services for crop production	BEJO GRAINES FRANCE	CHAUVIRE DIFFUSION	GARDENIA SA		

ITH3 – Veneto

Figure 12. Regional comparative strengths in value chain segments in Veneto (*arable crops, perennial trees & livestock*)

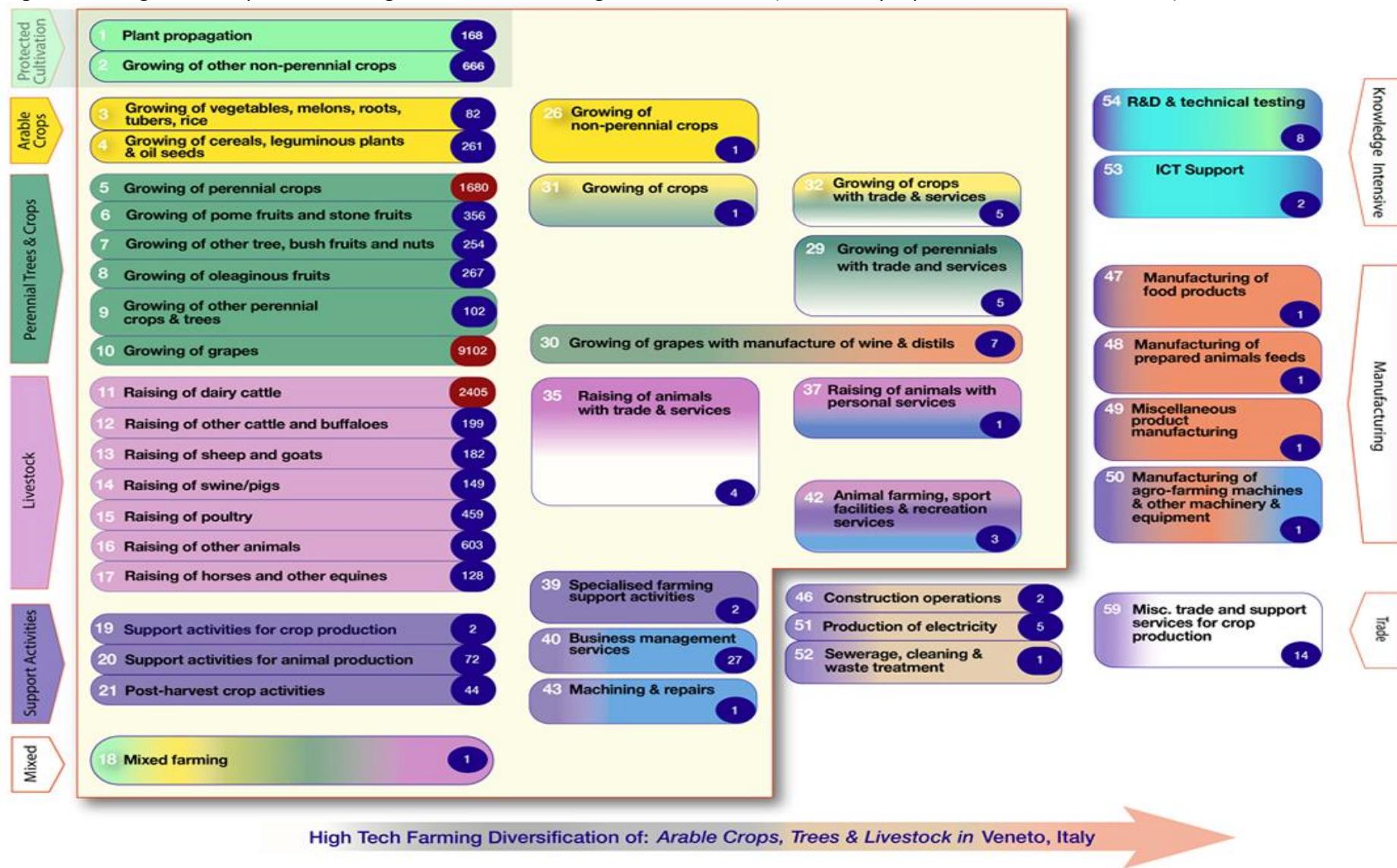


Table 48. Population of farming firms in Veneto

Veneto	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	17,188	87	17,275	8,639	6,241	847	1,461	87	17,275
	99.5%	.5%	100.0%	50.0%	36.1%	4.9%	8.5%	.5%	100.0%

Table 49. Regional diversification in Veneto (number of industry codes per firm)

Veneto	Regional diversification							
	1	2	3	4	5	6	Total	Mean
	17,264	4	3	1	2	1	17,275	1
	99.9%	.0%	.0%	.0%	.0%	.0%	100.0%	

Example: 17264 (99.9%) of all firms in the region in the database have only one industry code of activities.

Table 50. Distribution of firms in value chain segments in Veneto

Value Chain Segments	Number of employees				Operating revenue (Turnover)				
	2016	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation		3	2	125	168	641	250	12	168
2. Growing of other non-perennial crops		2	1	293	666	1,346	250	29	666
3. Growing of vegetables, melons, roots, tubers, rice		11	3	51	82	1210	250	69	82
4. Growing of cereals, leguminous plants & oil seeds		2	1	121	261	790	241	260	261
5. Growing of perennial crops		2	1	848	1,680	987	82	21	1,680
6. Growing of pome fruits and stone fruits		2	1	196	356	162	132	6	356
7. Growing of other tree, bush fruits and nuts		2	1	79	254	2,334	250	6	254
8. Growing of oleaginous fruits		1	1	71	267	77	4	8	267
9. Growing of other perennial crops & trees		2	1	21	102	106	87	4	102
10. Growing of grapes		2	1	3,439	9,102	5,081	250	194	9,102
11. Raising of dairy cattle		2	1	1,261	2,405	3,144	336	78	2,405
12. Raising of other cattle and buffaloes		2	1	99	199	9,157	2,080	18	199
13. Raising of sheep and goats		1	1	86	182	119	104	4	182
14. Raising of swine/pigs		2	2	84	149	1,912	250	7	149
15. Raising of poultry		3	1	281	459	64,736	712	19	459
16. Raising of other animals		2	1	244	603	3,868	1,251	30	603
17. Raising of horses and other equines		2	1	43	128	326	154	9	128
18. Mixed farming		2	2	1	1		0		1
19. Support activities for crop production		13	13	1	2	3	3	1	2
20. Support activities for animal production		2	1	44	72	636	250	30	72
21. Post-harvest crop activities		22	4	30	44	16,278	7140	27	44
26. Growing of non-perennial crops		2	2	1	1		0		1
29. Growing of perennials with trade and services		2	2	4	5	250	250	2	5
30. Growing of grapes with manufacture of wine & distils		30	32	6	7	24	28	7	7
31. Growing of crops				0	1		0		1
32. Growing of crops with trade & services		3	3	2	5	2	2	2	5
35. Rising of animals with trade & services		33	35	3	4	40	13	4	4
37. Raising of animals with personal services		35	35	1	1	5	5	1	1
39. Specialised farming support activities		4	4	1	2	4	4	1	2
40. Business management services		5	2	7	27	1		23	27
42. Animal farming, sport facilities & recreation services		37	37	2	3	126	126	2	3
43. Machining & repair		4	4	1	1		0		1
46. Construction operations		32	32	1	2	6	6	2	2
47. Manufacturing of food products		7	7	1	1	1	1	1	1
48. Manufacturing of prepared animals feeds		6	6	1	1	11	11	1	1
49. Miscellaneous product manufacturing				0	1	0	0	1	1
50. Manufacturing of agro-farming & other machinery & equipment				0	1		0		1
51. Production of electricity		5	5	2	5	2	2	4	5
52. Sewerage, cleaning & waste treatment		1	1	1	1			1	1
53. ICT support		14	14	1	2	1	1	2	2
54. R&D & technical testing		2	2	2	8			6	8
59. Misc. trade and support services for crop production		20	3	9	14	16	3	14	14
Total		2	1	7,464	17,275	3,963	250	906	17,275

Table 51. Leading companies in value chain segments in Veneto

Value Chain Segments		Leading companies by operating revenue (turnover) for 2016			
1. Plant propagation	ARENA VIVAI SOCIETA' AGRICOLA S.R.L.	MASTERDELTA S.R.L. SOCIETA' AGRICOLA	MEDITERRANEA SOCIETA' AGRICOLA SRL	SENTIERI SOCIETA' AGRICOLA S.R.L.	VIVAI NISCHLER DI NISCHLER GEORG S.R.L UNIPERSONALE
2. Growing of other non-perennial crops	BIOGAS BRUSO SOCIETA' AGRICOLA A.R.L.	BRONTE - SOCIETA' COOPERATIVA AGRICOLA A RESPONSABILITA' LIMITATA	CONDUZIONI AZIENDE AGRICOLE DI FORTE GIUSEPPE SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA IN SIGLA CONDUZIONI AZIENDE AGRICOLE DI FORTE GIUSEPPE S. AGRICOLA R.L.	ESASEM S.P.A.	FLORSYSTEM S.R.L. SOCIETA' AGRICOLA
3. Growing of vegetables, melons, roots, tubers, rice	AGRIFUNG S.R.L. - SOCIETA' AGRICOLA	FUNGAMICO SOCIETA' COOPERATIVA AGRICOLA	FUNghi VALBRENTA SOCIETA' COOPERATIVA AGRICOLA	ORGANIZZAZIONE PRODUTTORI GEOFUR SOCIETA' COOPERATIVA AGRICOLA	ORTOFRUTTA TERRE DI ECOR SOCIETA' CONSORTILE AGRICOLA A R.L.
4. Growing of cereals, leguminous plants & oil seeds	AGRIBERICA SOCIETA' COOPERATIVA AGRICOLA	BIBIONE MARE S.P.A.	CONSORZIO MAISCOLTORI CEREALICOLTORI DEL BASSO LIVENZA SOCIETA' A RESPONSABILITA' LIMITATA	DUREGON M.G.S. - S.R.L.	POLESANA CEREALI S.R.L.
5. Growing of perennial crops	CA.DE.MAR. S.R.L. SOCIETA' CONSORTILE AGRICOLA	CANTINA DI CASTELNUOVO DEL GARDA SOCIETA' AGRICOLA COOPERATIVA	COOPERATIVA CERASICOLTORI DELLA VALPOLICELLA SOCIETA' COOPERATIVA	COOPERATIVA VAL D'ILLASI SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' AGRICOLA MAZZOLADA S.R.L.
6. Growing of pome fruits and stone fruits	BASCHIROTTO GIAN MATTEO	IDEA VERDE SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	LA FELTRINA SOCIETA' SEMPLICE AGRICOLA	SIMONE MALDOTTI	SOCIETA' AGRICOLA CORTE ALLEGRA SRL
7. Growing of other tree, bush fruits and nuts	ABBAZIA DI PRAGLIA SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	AZIENDA AGRICOLA SANDRI MASSIMILIANO	CONSORZIO PICCOLI FRUTTI S.R.L.	FELTRIN ROBERTO	MERZARI FABIANO
8. Growing of oleaginous fruits	COLLALTO S.R.L. - SOCIETA' AGRICOLA	COLLE ARZAN S.R.L.	FACCO SUSANNA	FATTORIA NERBONA SOCIETA' AGRICOLA S.R.L.	KMZERO S.R.L. SOCIETA' AGRICOLA
9. Growing of other perennial crops & trees	AREA 3 S.R.L. SOCIETA' AGRICOLA	FALCONA SRL SOCIETA' AGRICOLA	SANA TERRA DI PELLONE RITA		
10. Growing of grapes	CANTINA DI CONEGLIANO E VITTORIO VENETO SOCIETA' AGRICOLA COOPERTIVA	CANTINA SOCIALE COOPERATIVA DI SOAVE - SOCIETA' AGRICOLA COOPERATIVA , O PER BREVITA' CANTINA SOCIALE DI SOAVE , CANTINA DI SOAVE , CA.DIS O C.S. , P.A.S. PRODUTTORI ASSOCIAZIONE ASSOCIAZIONE ,S.V.S. SCALIGE	CANTINA VITICOLTORI PONTE DI PIAVE SOCIETA' COOPERATIVA AGRICOLA	CANTINE DEI COLLI BERICI DI LONIGO, BARBARANO VICENTINO E SAN BONIFACIO SOCIETA' COOPERATIVA AGRICOLA	VIGNAIOLI VENETO FRIULANI SOCIETA' AGRICOLA COOPERATIVA IN SIGLA: VIGNAIOLI VENETO FRIULANI S.C.A.
11. Raising of dairy cattle	AGRIFAP S.R.L. SOCIETA' AGRICOLA	AGRILINEA S.R.L.	ALLEVAMENTI PERIN SOCIETA' AGRICOLA COOPERATIVA	LATTERIA DI SOLIGO SOCIETA' AGRICOLA COOPERATIVA	SOCIETA' AGRICOLA ZOOTECNICA S.R.L.
12. Raising of other cattle and buffaloes	COOPERATIVA ZOOTECNICA SCALIGERA SOCIETA' AGRICOLA COOPERATIVA	LA TORRE - SOCIETA' COOPERATIVA AGRICOLA ZOOTECNICA	MARCA SOCIETA' AGRICOLA S.R.L.	SOCIETA' AGRICOLA BARCON S.R.L.	STALLA SOCIALE DI TERRASSA PAOVANA SOCIETA' COOPERATIVA AGRICOLA
13. Raising of sheep and goats	AGRICOLA LAPO - SOCIETA' AGRICOLA A.R.L.	LISCIA SVILUPPO S.R.L. SOCIETA' AGRICOLA	MORELLO ANDREA	SOCIETA' AGRICOLA TENUTA DEI CERVI S.R.L.	
14. Raising of swine/pigs	ALLEVAMENTI BERICI AVICOLI - A.L.B.A. S.R.L.	CASEIFICIO SOCIALE BALLOTTARA - SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' AGRICOLA SANT'ANDREA DI BERGAMIN SOCIETA' A RESPONSABILITA' LIMITATA IN FORMA ABBREVIA SOCIETA' AGRICOLA SANT'ANDREA DI BERGAMIN S.R.L.	SOCIETA' AGRICOLA SULKI S.R.L.	SUT GIULIO
15. Raising of poultry	AGRI SERVICE S.R.L.	MAIA AGROINDUSTRIALE S.R.L.	S.I.A.M. S.R.L. - SOCIETA' AGRICOLA	SOCIETA' AGRICOLA COOPERATIVA SAN MARTINO	SOCIETA' AGRICOLA LA PELLEGRINA S.P.A.

16. Raising of other animals	AGRICOLA BERICA - S.R.L.	CASEIFICIO SOCIALE PONTE DI BARBARANO SOCIETA' AGRICOLA COOPERATIVA	LATTERIA SANT'ANDREA SOCIETA' AGRICOLA COOPERATIVA	STALLA SOCIALE DI MONASTIER SOCIETA' COOPERATIVA AGRICOLA	VALLEVERDE SOCIETA' AGRICOLA S.R.L.
17. Raising of horses and other equines	7 ARCHI S.R.L.	ALLEVAMENTO KRONOS S.R.L. SOCIETA' AGRICOLA	PARISE LUIGI	SABBADIN ALBERTO	SCUDERIA GARDESANA S.R.L.
19. Support activities for crop production	SOCIETA' CONSORTILE DI DOLO PER LA COMMERCIALIZZAZIONE DEI PRODOTTI AGRICOLI A.R.L.				
20. Support activities for animal production	ADRIATICA FERTILIZZANTI S.R.L.	CAMILLA IVAN	COOPERATIVA INTERPROVINCIALE FRA AGRICOLTORI PER IL MIGLIORAMENTO DELLE RAZZE BOVINE CENTRO DI FECONDAZIONE ARTIFICIALE - SOCIETA' COOPERATIVA AGRICOLA - IN SIGLA CIA S.C.A.	ISTITUTO INTERREGIONALE PER IL MIGLIORAMENTO DEL PATRIMONIO ZOOTECNICO - SOCIETA' PER AZIONI CON SIGLA INTERMIZOO S.P.A.	SOCIETA' COOPERATIVA AGRICOLA LIVENZA - COAL
21. Post-harvest crop activities	APO SCALIGERA SOC. COOP. AGRICOLA	ESTUARIO CARNI SOCIETA' COOPERATIVA AGRICOLA	LA MARCA VINI E SPUMANTI SOCIETA' COOPERATIVA AGRICOLA, CONSORZIO CANTINE SOCIALI DELLA MARCA TREVIGIANA, LA MARCA VINI E SPUMANTI, CONSORZIO CANTINE, LA MARCA, C.C.S.M.T., TR EVI, TREVINIMARC, CO N.CA.SO., SO.	ORGANIZZAZIONE PRODUTTORI NORDEST SOCIETA' COOPERATIVA AGRICOLA	ORGANIZZAZIONE PRODUTTORI ORTOFRUTTICOLI VENETO - SOCIETA' COOPERATIVA AGRICOLA
29. Growing of perennials with trade and services	LA COMPAGNIA DEL RUBATTINO S.A.S. DI BEATRICE TADDEI SALTINI & C.	OZERO S.N.C. DI GARDIN ALDINO E.C.			
30. Growing of grapes with manufacture of wine & distils	CASA VINICOLA SARTORI S.P.A. , PIU' BREvemente ESSE PI S.P.A.	CIELO E TERRA S.P.A. ENUNCIABILE ANCHE: CASA DEFRA' S.P.A. , C.D. S.P.A. , CI.MONT. S.P.A. , C.M. S.P.A. , TERRE DI GHIAIA S.P.A. , T.G. S.P.A. , MAESTRO ITALIANO S.P.A. , CIELO S.P.A. .	CONTARINI VINI E SPUMANTI S.R.L.	EQUIPE S.R.L.	VITICOLTORI PONTE S.R.L. IN FORMA ABBREVIASTA S.V.P. S.R.L.
32. Growing of crops with trade & services	COSTE PETRAI S.R.L.	CUORE VERDE SOCIETA' CONSORTILE A RESPONSABILITA' LIMITATA			
35. Raising of animals with trade & services	AZOVE - SOCIETA' AGRICOLA COOPERATIVA SIGLA AZOVE SOC. AGR. COOP.	BALZAN FABIO S.R.L.	COOPERATIVA AGRICOLA PRODUTTORI CASTELLANA - SOCIETA' COOPERATIVA AGRICOLA		
37. Raising of animals with personal services	BIBIONE TERME S.P.A.				
39. Specialised farming support activities	CONSORZIO MAISCOLTORI CEREALICOLTORI DEL PIAVE SOCIETA' AGRICOLA A.R.L.				
40. Business management services	BENSEC SOCIETA' CONSORTILE A.R.L. IN BREVE BENSEC S.C.AR.L.	GOLF DELLA MONTECCHIA S.R.L.	IL VENETO IN UN BICCHIERE	ISTITUTO DEL VINO ITALIANO DI QUALITA' - GRANDI MARCHI - SOCIETA' CONSORTILE A RESPONSABILITA' LIMITATA	ITALIA DEL VINO - CONSORZIO
42. Animal farming, sport facilities & recreation services	BAR COMMERCIO DI REN HAI S.A.S.	CHALET BANQUETING S.R.L.			
46. Construction operations	LA PIRAMIDE S.R.L.	ROSSI RENZO COSTRUZIONI S.R.L.			

47. Manufacturing of food products	ALBIO S.R.L.				
48. Manufacturing of prepared animals feeds	POLLO PIAVE S.R.L.				
51. Production of electricity	AGRILUX S.R.L.	AGRIVITENERGY AVE SRL	CA' BIANCA SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	E.B.S. - ETRA BIOGAS SCHIAVON SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	
52. Sewerage, cleaning & waste treatment	CONSORZIO IL CREATO - ENERGIA DELL'UNIVERSO				
53. ICT support	BIBIONEONLINE SRL	DIMENSIONE AZIENDA S.R.L.			
54. R&D & technical testing	BIOREFY S.R.L.	CENTRO VINI VENETI	CONSORZIO DI TUTELA DELLA IGP RISO NANO VIALONE VERONESE	CONSORZIO DI TUTELA DELL'INSALATA DI LUSIA IGP	CONSORZIO PER LA TUTELA E LA VALORIZZAZIONE DEL RADICCHIO DI VERONA I.G.P.
59. Misc. trade and support services for crop production	AGRISERVICE 2016 SRL	CANTINA DI VERONA S.P.A.	CANTINA MONTELLIANA S.R.L.	SOCIETA' COOPERATIVA AGRICOLA CONSORTILE COLLIS VENETO WINE GROUP IN BREVE COLLIS O COLLIS WINE GROUP O C.W.G.	VAL D'OCA S.R.L.

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Figure 13. Regional comparative strengths in value chain segments in Emilia-Romagna (*arable crops, perennial trees & livestock*)

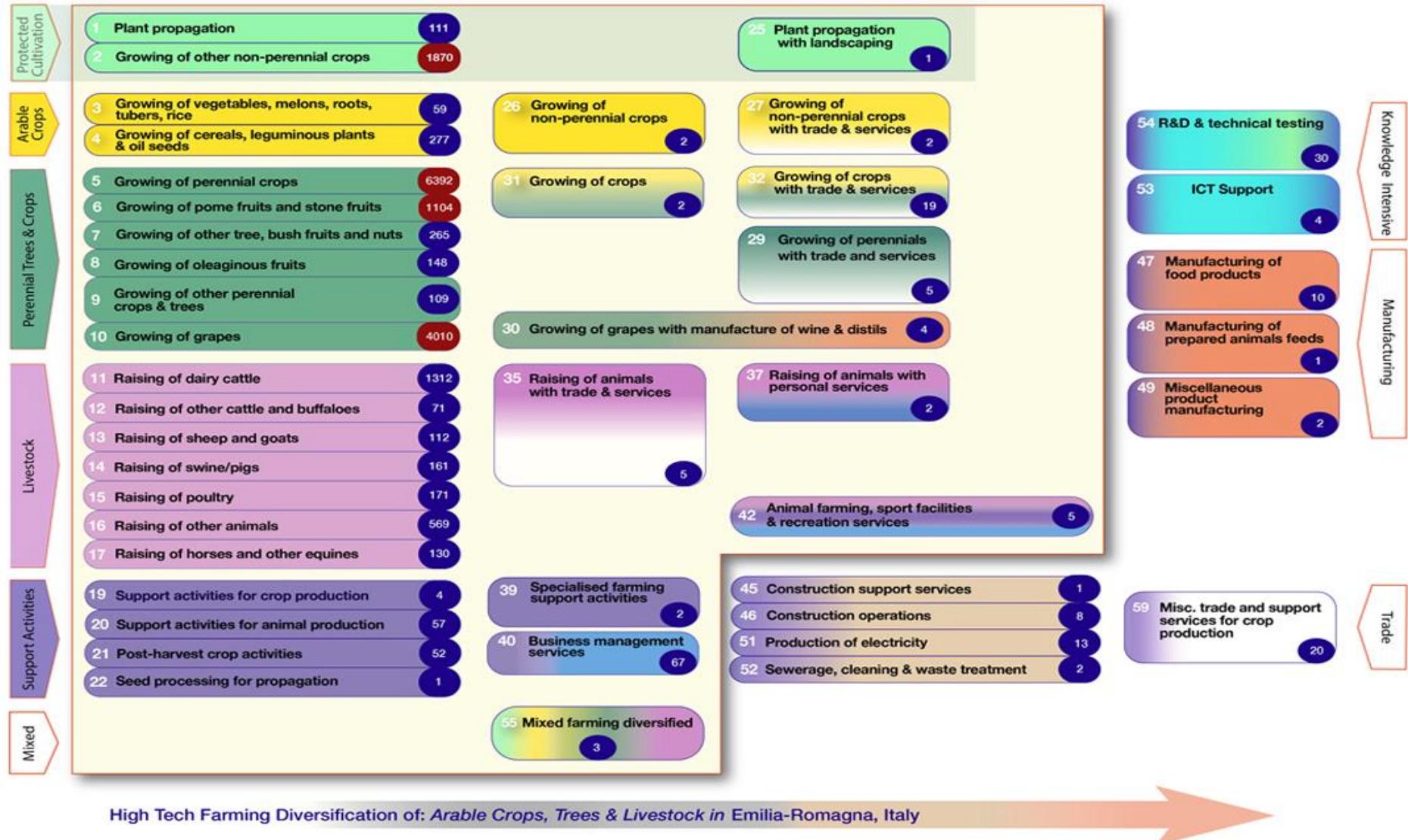


Table 52. Population of farming firms in Emilia-Romagna

Emilia-Romagna	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	16,992	203	17,195	7,157	3,667	1,162	5,006	203	17,195
	98.8%	1.2%	100.0%	41.6%	21.3%	6.8%	29.1%	1.2%	100.0%

Table 53. Regional diversification in Emilia-Romagna (number of industry codes per firm)

Emilia-Romagna	Regional diversification								
	1	2	3	4	5	6	8	Total	Mean
	17,180	8	3	1	1	1	1	17,195	1

Example: 17180 (99.9%) of all firms in the region in the database have only one industry code of activities.

Table 54. Distribution of firms in value chain segments in Emilia-Romagna

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	5	2	79	111	1453	718	12	111
2. Growing of other non-perennial crops	2	1	602	1,870	714	83	51	1,870
3. Growing of vegetables, melons, roots, tubers, rice	14	3	37	59	8,342	250	47	59
4. Growing of cereals, leguminous plants & oil seeds	8	2	132	277	898	250	275	277
5. Growing of perennial crops	2	1	4,002	6,392	1,189	250	23	6,392
6. Growing of pome fruits and stone fruits	2	1	667	1,104	167	250	11	1,104
7. Growing of other tree, bush fruits and nuts	2	1	125	265	963	963	1	265
8. Growing of oleaginous fruits	1	1	50	148	148	171	4	148
9. Growing of other perennial crops & trees	1	1	40	109	329	87	5	109
10. Growing of grapes	2	1	1,778	4,010	4,685	305	65	4,010
11. Raising of dairy cattle	2	1	792	1,312	4,562	1,908	62	1,312
12. Raising of other cattle and buffaloes	2	1	32	71	0	0	0	71
13. Raising of sheep and goats	1	1	54	112	78	92	3	112
14. Raising of swine/pigs	3	2	90	161	3,179	1,344	10	161
15. Raising of poultry	8	2	96	171	21,244	2,885	26	171
16. Raising of other animals	2	1	242	569	9,234	2,491	43	569
17. Raising of horses and other equines	1	1	57	130	93	51	9	130
19. Support activities for crop production	742	742	2	4	93	2	3	4
20. Support activities for animal production	3	1	34	57	1,321	250	35	57
21. Post-harvest crop activities	156	8	31	52	29,619	4,135	38	52
22. Seed processing for propagation	6	6	1	1	2	2	1	1
25. Plant propagation with landscaping			0	1			1	1
26. Growing of non-perennial crops	1	1	1	2	1	1	1	2
27. Growing of non-perennial crops with trade & services	1	1	2	2	250	250	2	2
29. Growing of perennials with trade and services	2	2	2	5			0	5
30. Growing of grapes with manufacture of wine & distils	110	77	3	4	54	45	3	4
31. Growing of crops			0	2			0	2
32. Growing of crops with trade & services	26	13	18	19	41	11	18	19
35. Rising of animals with trade & services	1	1	2	5	2	3	3	5
37. Raising of animals with personal services	1	1	1	2			1	2
39. Specialised farming support activities	273	273	2	2	160	160	2	2
40. Business management services	22	8	18	67	4		47	67
42. Animal farming, sport facilities & recreation services	3	3	2	5			4	5
45. Construction support services	36	36	1	1	2	2	1	1
46. Construction operations	1	1	2	8			5	8
47. Manufacturing of food products	652	102	8	10	273	24	8	10
48. Manufacturing of prepared animals feeds	40	40	1	1	101	101	1	1
49. Miscellaneous product manufacturing	108	108	1	2	48	48	1	2
51. Production of electricity	9	5	6	13	46	2	13	13
52. Sewerage, cleaning & waste treatment	7	7	1	2	1	1	1	2
53. ICT support	34	17	3	4	3	4	3	4

54. R&D & technical testing	14	9	14	30	2		24	30
55. Mixed farming diversified			0	3			1	3
59. Misc. trade and support services for crop production	13	4	8	20	32	11	12	20
Total	4	1	9,039	17,195	3,964	250	876	17,195

Table 55. Leading companies in value chain segments in Emilia-Romagna

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016					
1. Plant propagation	AGRIVERDE SOCIETA' AGRICOLA COOPERATIVA IN SIGLA AGRIVERDE SOC. AGR. COOP.					
2. Growing of other non-perennial crops	ALBO SOCIETA' AGRICOLA S.R.L.	ISI SEMENTI S.P.A.	S.I.P.A.S. PACKAGING S.R.L.	SOCIETA' AGRICOLA ENERGIA DEI PIANI S.R.L.	SOCIETA' AGRICOLA ILPA S.R.L.	
3. Growing of vegetables, melons, roots, tubers, rice	CONSORZIO AGRIBOLOGNA - SOCIETA' COOPERATIVA AGRICOLA	CONTINENTAL SEMENCES SOCIETA' PER AZIONI (O IN FORMA ABBREVIATA C ONTINENTAL SEMENCES S.P.A.)	EUR.O.P. FRUIT SOC. COOP.	NUNHEMS ITALY SOCIETA' A RESPONSABILITA' LIMITATA, O IN FORMA ABB REVITATA NUNHEMS ITALY S.R.L.	SOCIETA' AGRICOLA TAGLIANI VIVAI INTERNATIONAL S.R.L.	
4. Growing of cereals, leguminous plants & oil seeds	CONSORZIO NAZIONALE SEMENTI SOCIETA' COOPERATIVA AGRICOLA IN SIGLA CO.NA.SE. SOC. COOP. AGR.	COOPERATIVA AGRICOLA BRACCANTI GIULIO BELLINI - SOC. COOP. A.R.L. IN SIGLA COOP. GIULIO BELLINI, ALBAVERDE , MOLINO SIMA	IL RACCOLTO SOCIETA' COOPERATIVA AGRICOLA	IMMOBILIARE DANTE SOCIETA' AGRICOLA S.P.A.	LIMAGRAN ITALIA S.P.A.	
5. Growing of perennial crops	C.I.V. - CONSORZIO ITALIANO VIVAISTI - SOCIETA' CONSORTILE A R.L.	COOP. C.O.M. CESENA - COOPERATIVA ORTOFLOROFRUTTICOLTORI DEL MERCATO DI CESENA - SOCIETA' AGRICOLA COOPERATIVA	ROMANA FRUGES S.R.L. - SOCIETA' AGRICOLA	TOP FRUIT ROMAGNA SOC. COOP. AGRICOLA	VITROPLANT ITALIA S.R.L. SOCIETA' AGRICOLA	
6. Growing of pome fruits and stone fruits	BERNARDI MAURO	CANTAGALLI MATTIA	NARDINI CESARE	S.C.E.R. SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA CONSORTILE	TINTI DAVIDE	
7. Growing of other tree, bush fruits and nuts	TERRE DI FRUTTA SOCIETA' AGRICOLA SRL					
8. Growing of oleaginous fruits	1997 SOCIETA' SEMPLICE - SOCIETA' AGRICOLA	SOCIETA' AGRICOLA MEPA S.R.L.	TONELLI LARA LUCIA ELISABETH			
9. Growing of other perennial crops & trees	AGRIKROTON S.R.L.- SOCIETA' AGRICOLA	GROUPAGRI SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	SOCIETA' AGRICOLA ANGELINA S.R.L.	SOCIETA' AGRICOLA I CILIEGI S.R.L.	TERRANOVA SALVATORE	
10. Growing of grapes	CANTINA DEI COLLI ROMAGNOLI SOCIETA' COOPERATIVA AGRICOLA OVVERO ANCHE COLLI ROMAGNOLI SOC. COOP. AGR.	CANTINA FORLI' PREDAPPIO SOCIETA' AGRICOLA COOPERATIVA	CAVIRO DISTILLERIE S.R.L.	EMILIA WINE SOCIETA' COOPERATIVA AGRICOLA	LE ROMAGNOLE SOCIETA' COOPERATIVA AGRICOLA PER AZIONI IN SIGLA LE ROMAGNOLE SOC.COOP. AGRICOLA P.A.	
11. Raising of dairy cattle	BONLATTE SOCIETA' COOPERATIVA AGRICOLA	LATTERIA CENTRO GHIARDO SOCIETA' COOPERATIVA AGRICOLA	LATTERIA SOCIALE CAGNOLA SOCIETA' COOPERATIVA AGRICOLA	NUOVA LATTERIA FONTANA SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' AGRICOLA FERRARINI S.P.A.	
13. Raising of sheep and goats	SOCIETA' AGRICOLA LA VALLE S.R.L.	SOCIETA' AGRICOLA L'EUCALIPTO S.R.L.	SOCIETA' AGRICOLA ZIO S.R.L.			
14. Raising of swine/pigs	AZIENDA AGRICOLA FILIERA UNO SOCIETA' AGRICOLA SRL	CENTRO SELEZIONE SUINI S.R.L. SOCIETA' AGRICOLA	CONSORZIO PRODUTTORI LATTE SOCIETA' AGRICOLA COOPERATIVA	IL CANALE S.R.L. SOCIETA' AGRICOLA	LE CORTI DI FILIPPO RE SOCIETA' CONSORTILE A RESPONSABILITA' LIMITATA	
15. Raising of poultry	MANGIMIFICIO ROMAGNOLO S.R.L.	MIXA S.R.L.	RIPRO-COOP SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' AGRICOLA PARMOVO DIVISIONE ALLEVAMENTI A R.L.	SOCIETA' AGRICOLA RIPRO-AVICOLA S.R.L.	
16. Raising of other animals	CASEIFICIO IL BOIARDO-MATILDE DI CANOSSA SOCIETA'	CASEIFICIO SOCIALE LA CAPPELLETTA DI SAN POSSIDONIO - SOCIETA' COOPERATIVA AGRICOLA	COOPERATIVA CASEARIA AGRINASCENTE SOCIETA' AGRICOLA COOPERATIVA	GRANLATTE SOCIETA' COOPERATIVA AGRICOLA A RESPONSABILITA'	LATTERIA SOCIALE DEL FORNACIONE SOCIETA' COOPERATIVA AGRICOLA	

	COOPERATIVA AGRICOLA		LIMITATA IN SIGLA GRANLATTE		
17. Raising of horses and other equines	ALLEVAMENTO SPIAGGIA ROMEA - SOCIETA' AGRICOLA A.R.L.	BOLOGNI ARNALDO S.R.L.	BRIGI - SOCIETA' A RESPONSABILITA' LIMITATA SEMPLIFICATA	FARNETI BRUNO	SCUDERIA PHENOMENA S.R.L.
19. Support activities for crop production	AGRINTESA SOCIETA' AGRICOLA COOPERATIVA O PIU' BREVEMENTE AGRINTE SA SOC. COOP. AGRICOLA	CONSORZIO ORTO DI PASCOLI	CONSORZIO RIESCO		
20. Support activities for animal production	ALLEVAMENTO FOLLI SRL	ANHEA SOCIETA' A RESPONSABILITA' LIMITATA (IN FORMA ABBREVIATA ANHEA S.R.L.)	COPAL - COOPERATIVA PARMENSE ALLEVATORI SOCIETA' AGRICOLA COOPERATIVA	INSEME S.P.A.	QUINTOVALORE SOC. CONS. A R.L.
21. Post-harvest crop activities	A.F.E. ASSOCIAZIONE FRUTTICOLTORI ESTENSE - SOC. COOP. A.R.L.	APOFRUIT ITALIA - SOC. COOP. AGRICOLA	COOPERATIVA TERREMERSE SOC.COOP. IN SIGLA TERREMERSE SOC.COOP.	OROGEL SOCIETA' COOPERATIVA AGRICOLA IN SIGLA A.C.O. SOCIETA' COOPERATIVA	PEMPACORER SOCIETA' COOPERATIVA CONSORTILE AGRICOLA
22. Seed processing for propagation	SEMENTI ROMAGNA S.R.L.				
25. Plant propagation with landscaping	CONSORZIO STABILE TERRA SOCIETA' CONSORTILE A RESPONSABILITA' LIMITATA				
26. Growing of non-perennial crops	TERRE DA FRUTTA S.R.L. SOCIETA' AGRICOLA				
27. Growing of non-perennial crops with trade & services	AVVENIRE S.A.S. DI MALGIOLIO ASTUTILLO & C.	DOLCEVITA DI CERVI MICHELA E C. S.A.S.			
30. Growing of grapes with manufacture of wine & distils	CASALI VITICULTORI S.R.L.	GRUPPO CEVICO - CENTRO VINICOLO COOPERATIVO ROMAGNOLO SOCIETA' C COOPERATIVA AGRICOLA IN SIGLA: GRUPPO CEVICO SOC.COOP. AGRICOLA, CENTRO VINICOLO COOPERATIVO ROMAGNOLO SOC.COOP. AGRICOLA, CE.VI.CO. S	LAVORAZIONE SOCIALE VINACCE DI MODENA - SOCIETA' COOPERATIVA AGRICOLA		
32. Growing of crops with trade & services	APO CONERO SOCIETA' COOPERATIVA AGRICOLA	CANOVA SRL	CONOR S.R.L.	MEDITERRANEO GROUP S.P.A. CONSORTILE AGRICOLA	NATURITALIA SOC. COOP. AGRICOLA
35. Raising of animals with trade & services	BORGOBONO - SALUMAI DI ROMAGNA S.R.L.	LATTERIE DI MONTAGNA MATILDE DI CANOSSA S.R.L.			
37. Raising of animals with personal services	CONSORZIO CARNE BIOLOGICA VALBIDENTE				
39. Specialised farming support activities	ASSOCIAZIONE PRODUTTORI PATATE EMILIANO - ROMAGNOLI - SOCIETA' COOPERATIVA AGRICOLA IN SIGLA A.P.P.E. COOP.	COOPERATIVE AGRICOLE VITI-FRUTTICOLTORI ITALIANI RIUNITI ORGANIZZATI - SOCIETA' AGRICOLA COOPERATIVA O ANCHE COOPERATIVE AGRICOLE VITI-FRUTTICOLTORI ITALIANI RIUNITI ORGANIZZATI - SOCIETA' COOP. AGRICO			
40. Business management services	C.S.O. ITALY - CENTRO SERVIZI ORTOFRUTTICOLI - SOCIETA' COOPERTIVA	CONSORZIO PATATA ITALIANA DI QUALITA' SOCIETA' CONSORTILE A RESPONSABILITA' LIMITATA IN BREVE CONSORZIO PATATA ITALIANA DI QUALITA'	CPR SYSTEM SOCIETA' COOPERATIVA	NOMISMA - SOCIETA' DI STUDI ECONOMICI - S.P.A.	PAR.CO. S.P.A. SOCIETA' FINANZIARIA DI PARTECIPAZIONE
42. Animal farming, sport facilities & recreation services	AMBROGIOS SRL	CONSORZIO FOOD IN TOUR			
45. Construction support services	OR.S.A. SOCIETA' CONSORTILE A.R.L.				
46. Construction operations	AREAVENTIDIECI S.R.L.	IMMOBILIARE RIMINESE MALATESTA SOC. A.R.L.	POWERCROP MACCHIAREDDU S.R.L.	POWERCROP RUSSI S.R.L.	
47. Manufacturing of food products	CASEARIA TRICOLORE	COLUMBUS SRL	CONSERVE ITALIA - CONSORZIO ITALIANO FRA	GRANAROLO S.P.A. IN SIGLA G. SPA	NATURA NUOVA S.P.A. CONSORTILE - SOCIETA' AGRICOLA IN

	SOCIETA' CONSORTILE A R.L.	COOPERATIVE AGRICOLE - S OCIETA' COOPERATIVA AGRICOLA - IN FORMA ABBREVIA CONSERVE ITALIA SOC.COOP. AG RICOLA .	FORMA ABBREVIATA NATURA NUOVA S.P.A. CONSORTILE		
48. Manufacturing of prepared animals feeds	M.B. MANGIMI S.P.A.				
49. Miscellaneous product manufacturing	SCAM SPA				
51. Production of electricity	APO ENERGIA S.R.L.	C.U.RA. CONSORZIO UTILITIES RAVENNA SOCIETA' CONSORTILE A RESPONSABILITA' LIMITATA IN FORMA ABBREVIA C.U.RA. CONSORZIO UTILITIES RAVENNA S.C.R.L.	ENERGY TRE S.R.L. SOCIETA' AGRICOLA ENOMONDO S.R.L.	POWER ENERGIA SOCIETA" COOPERATIVA	
52. Sewerage, cleaning & waste treatment	AGRIENERGIA S.P.A.				
53. ICT support	ASPPI SERVICE S.P.A.	ONIT GROUP S.R.L.	PUBBLISOLE S.P.A.		
54. R&D & technical testing	ARTEST - LABORATORIO E SERVIZI - S.P.A.	BEJO ITALIA S.R.L.	C.R.P.V. - CENTRO RICERCHE PRODUZIONI VEGETALI - SOCIETA' COOPERATIVA	CONSORZIO DEL PROSCIUTTO DI PARMA	CONSORZIO PRODUTTORI MONTI DI PARMA SOCIETA' AGRICOLA COOPERATIVA
55. Mixed farming diversified	CONSORZIO PER LA VALORIZZAZIONE DELLE SEMENTI - CONVASE				
59. Misc. trade and support services for crop production	C.R.A. CONSORZIO ROMAGNOLO AGRISERVIZI S.R.L.	GRANDI COLTURE ITALIANE SOCIETA' COOPERATIVA AGRICOLA	ORGANIZZAZIONE PRODUTTORI CEREALI SOC. CONS. A R.L.	OROGEL S.P.A. CONSORTILE	SEMIA S.R.L. O IN FORMA ABBREVIATA SEMIA

ITI1 - Toscana

Figure 14. Regional comparative strengths in value chain segments in Toscana (*protected cultivation, arable crops, perennial trees & livestock*)

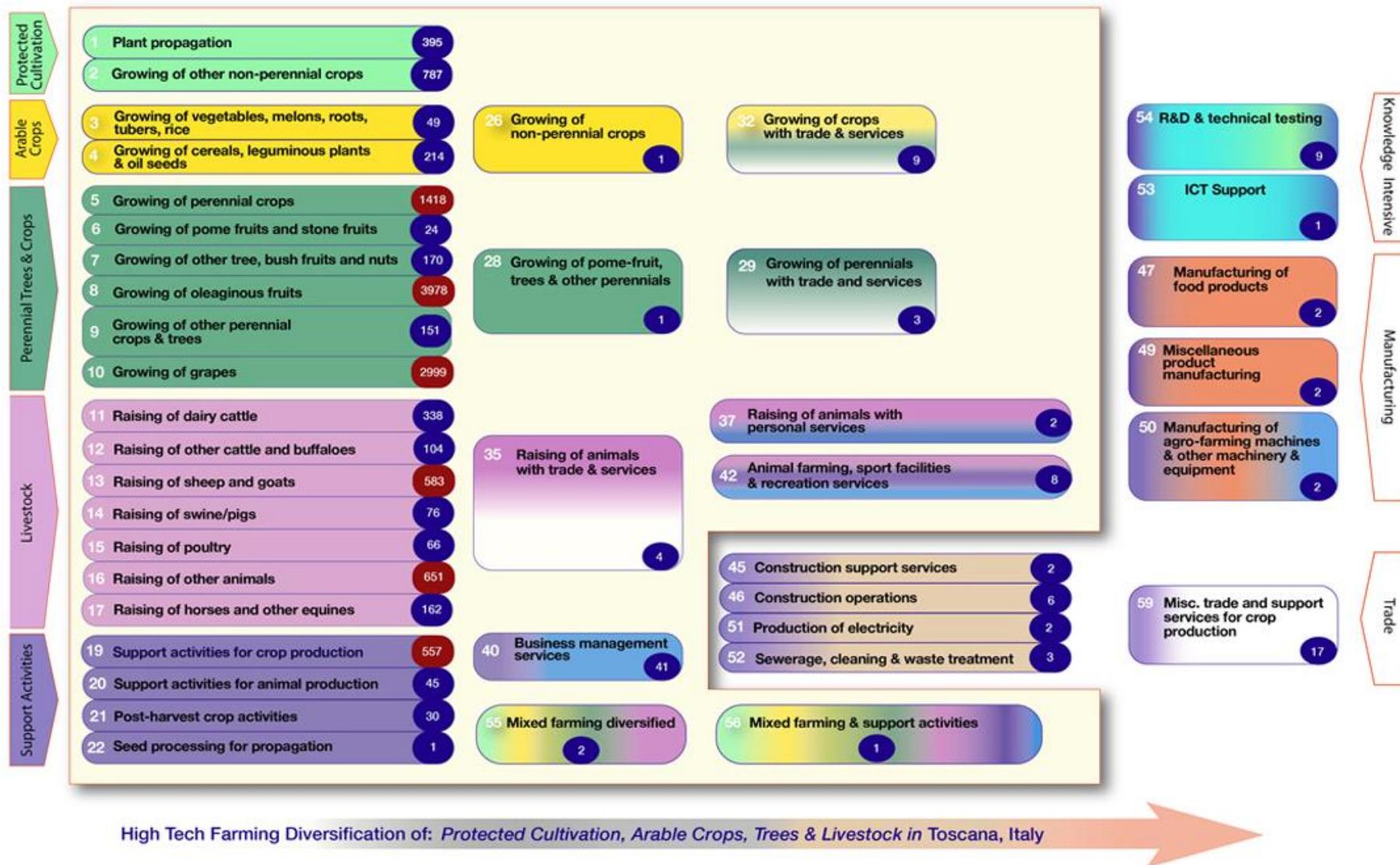


Table 56. Population of farming firms in Toscana

Toscana	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	12,811	105	12,916	7,183	1,967	1,077	2,584	105	12,916
	99.2%	.8%	100.0%	55.6%	15.2%	8.3%	20.0%	.8%	100.0%

Table 57. Regional diversification in Toscana (number of industry codes per firm)

Toscana	Regional diversification							
	1	2	3	4	5	7	Total	Mean
	12,904	5	4	1	1	1	12,916	1
	99.9%	.0%	.0%	.0%	.0%	.0%	100.0%	

Example: 12904 (99.9%) of all firms in the region in the database have only one industry code of activities.

Table 58. Distribution of firms in value chain segments in Toscana

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	3	1	218	395	758	313	12	395
2. Growing of other non-perennial crops	2	1	451	787	448	204	21	787
3. Growing of vegetables, melons, roots, tubers, rice	6	4	28	49	442	178	46	49
4. Growing of cereals, leguminous plants & oil seeds	5	2	114	214	427	109	214	214
5. Growing of perennial crops	2	1	556	1418	1,913	146	37	1,418
6. Growing of pome fruits and stone fruits	2	2	11	24	128	128	1	24
7. Growing of other tree, bush fruits and nuts	1	1	70	170	95	4	11	170
8. Growing of oleaginous fruits	1	1	1,362	3,978	236	71	125	3,978
9. Growing of other perennial crops & trees	27	1	40	151	35,433	50	5	151
10. Growing of grapes	4	1	1,343	2,999	2,305	471	234	2,999
11. Raising of dairy cattle	2	1	218	338	350	126	12	338
12. Raising of other cattle and buffaloes	1	1	53	104	250	250	1	104
13. Raising of sheep and goats	1	1	367	583	166	94	5	583
14. Raising of swine/pigs	1	1	37	76	0	0	1	76
15. Raising of poultry	2	1	33	66	828	174	5	66
16. Raising of other animals	1	1	239	651	488	33	18	651
17. Raising of horses and other equines	2	1	52	162	162	150	12	162
19. Support activities for crop production	7	1	378	557	1,999	242	62	557
20. Support activities for animal production	1	1	27	45	237	250	18	45
21. Post-harvest crop activities	5	3	16	30	2434	981	15	30
22. Seed processing for propagation	1	1	1	1		0	0	1
26. Growing of non-perennial crops			0	1		0	0	1
28. Growing of pome fruit, trees & other perennials	7	7	1	1		0	0	1
29. Growing of perennials with trade and services	2	2	1	3		0	0	3
32. Growing of crops with trade & services	3	3	5	9	3	6	9	
35. Rising of animals with trade & services	6	6	2	4	53	53	2	4
37. Raising of animals with personal services	17	17	1	2	1	1	2	2
40. Business management services	4	2	7	41		20	20	41
42. Animal farming, sport facilities & recreation services	28	13	6	8	11	1	6	8
45. Construction support services	4	4	1	2	1	1	2	2
46. Construction operations	3	3	2	6	50	1	5	6
47. Manufacturing of food products	2	2	1	2		2	2	
49. Miscellaneous product manufacturing	28	28	1	2	7	7	1	2
50. Manufacturing of agro-farming & other machinery & equipment	4	4	2	2	2	2	2	2
51. Production of electricity	3	3	1	2	1	1	2	2
52. Sewerage, cleaning & waste treatment			0	3		1	1	3
53. ICT support			0	1		0	0	1
54. R&D & technical testing	7	1	5	9	2	1	5	9
55. Mixed farming diversified			0	2		0	0	2
56. Mixed farming & support activities			0	1		0	0	1
59. Misc. trade and support services for crop production	10	4	7	17	11	4	13	17
Total	3	1	5,657	12,916	1,227	164	924	12,916

Table 59. Leading companies in value chain segments in Toscana

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
1. Plant propagation	AGRISERV - S.R.L.	BALDI VIVAI SOCIETA' A RESPONSABILITA' LIMITATA AGRICOLA	GREEN GRASS S.R.L. - SOCIETA' AGRICOLA	SOCIETA' AGRICOLA BROGIONI LE MOSSE S.R.L.	UCCELLINA LANDSCAPE SOCIETA' AGRICOLA A R.L.
2. Growing of other non-perennial crops	COOPERATIVA AGRICOLA MONTEMERCOLE - SOCIETA' AGRICOLA COOPERATIVA	SOCIETA' AGRICOLA RAPOLANO GREEN ENERGY - S.R.L.	SOCIETA' COOPERATIVA SOCIALE PARVUS FLOS SOCIETA' AGRICOLA	VIVAI CAMPANI - SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	WOOD ENERGY SOCIETA' AGRICOLA - S.R.L.
3. Growing of vegetables, melons, roots, tubers, rice	AGRICOLA FATARELLA SOCIETA' A RESPONSABILITA' LIMITATA O IN FORMA ABBREVIATA AGRICOLA FATARELLA S.R.L.	BRISTOL SOCIETA' AGRICOLA CONSORTILE A RESPONSABILITA' LIMITATA O IN FORMA ABBREVIATA AGRICOLA BRISTOL SOC. AGR. CONS. A R.L.	IL QUADRIFOGLIO SOCIETA' COOPERATIVA AGRICOLA	LEGNAIA VIVAI SOCIETA' AGRICOLA A R.L.	VYTASOLE SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA
4. Growing of cereals, leguminous plants & oil seeds	COOPERATIVA PRODUTTORI AGRICOLI VAL DI SERCHIO SOCIETA' AGRICOLA	LA SELVA SOCIETA' BIOAGRICOLA A R.L.	PRODUTTORI AGRICOLI PIEVE S. LUCE SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' AGRICOLA LOMAS S.R.L.	SOCIETA' IMMOBILIARE TOSCO EMILIANA S.I.T.E. S.R.L.
5. Growing of perennial crops	BANFI SOCIETA' AGRICOLA S.R.L.; POTRANNO ESSERE UTILIZZATE AI FINI DELLA ESTERIORIZZAZIONE DEI PRODOTTI AZIENDALI, E SOLO A QUESTI FINI, LE DENOMINAZIONI PLACIDO SOCIETA' AGRICOLA - SRL O, QUALORA CONS	COOPERATIVA AGRICOLA IL FORTETO - SOCIETA' AGRICOLA COOPERATIVA	TENUTA IL PALAGIO S.R.L. SOCIETA' AGRICOLA	VAL DELLE ROSE S.R.L. SOCIETA' AGRICOLA	VIVO SOCIETA' AGRICOLA A R.L.
6. Growing of pome fruits and stone fruits	SOCIETA' AGRICOLA MAESTRALE SRL UNIPERSONALE				
7. Growing of other tree, bush fruits and nuts	AZIENDA AGRICOLA IL GUFO DI SIGNORI SANDRO	BREZZI GIUSEPPE	DINAMICA S.R.L.	FRITZSCH WALTER ERNST	ROCCONE S.R.L. SOCIETA' AGRICOLA
8. Growing of oleaginous fruits	FRANTOIO COOPERATIVO VALDELSANO SOCIETA' COOPERATIVA AGRICOLA	MORIS FARMS S.R.L. SOCIETA' AGRICOLA	SCOPONE SOCIETA' AGRICOLA - S.R.L.	SOCIETA' COOPERATIVA OLEIFICIO VAL D'ORCIA SOCIETA' AGRICOLA	VILLA MANGIACANE S.R.L.
9. Growing of other perennial crops & trees	ABOCA S.P.A. SOCIETA' AGRICOLA	SOCIETA' AGRICOLA FONTE LA VALLE S.R.L.	SOCIETA' AGRICOLA HOSTER S.R.L. - SOCIETA' A RESPONSABILITA' LIMITATA		
10. Growing of grapes	CANTINE LEONARDO DA VINCI - SOCIETA' AGRICOLA COOPERATIVA	CASTELLANI S.P.A.	MARCHESI FRESCOBALDI SOCIETA' AGRICOLA S.R.L. (IN SIGLA MARCHESI FRESCOBALDI OVVERO FRESCOBALDI OVVERO MF OVVERO AMF OVVERO ATTEM	ORNELLAIA E MASSETO SOCIETA' AGRICOLA S.R.L.	SOCIETA' AGRICOLA C.I.T.A.I. COMPAGNIA ITALIANA TERRENI ALLEVAMENTO E IMPIANTI S.P.A.
11. Raising of dairy cattle	COOPERATIVA AGRICOLA DEI COLLI - SOCIETA' AGRICOLA COOPERATIVA	IMMOBILIARE AGRICOLA S. GEMIGNANELLO - S.P.A.	SOCIETA' AGRICOLA SIENALAT S.R.L.	ZOOTECNICA DEL PRATOMAGNO SOCIETA' COOPERATIVA	ZOOTECNICA IL GABBIANO SRL
12. Raising of other cattle and buffaloes		GENITO LUIGINO			
13. Raising of sheep and goats	AZIENDA AGRICOLA IL SARACELLO - SOCIETA' A RESPONSABILITA'	FATTORIA DI MERCATALE S.R.L.	SCHIARETTI NOE'	SOCIETA' AGRICOLA MONNALISA S.R.L.	

	LIMITATA AGRICOLA				
15. Raising of poultry	A.M.A.C. SRL	P & V SOCIETA' AGRICOLA S.R.L.	SOCIETA' AGRICOLA AMBRA S.R.L.	SOCIETA' AGRICOLA AVICOLA OVOBETTINI S.R.L.	VALIANI SRLS SOCIETA' AGRICOLA UNIPERSONALE
16. Raising of other animals	APIARI DI STIGLIANO DI CHIAPPI MARCO	COOPERATIVA AGRICOLA FRA AGRICOLTORI E ALLEVATORI DI PALAZZUOLO SUL SENIO AGRICOOP SOCIETA' AGRICOLA COOPERATIVA IN SIGLA AGRICOOP S.A.C.	IL PUNGIGLIONE - SOCIETA' COOPERATIVA SOCIALE - ONLUS	SOCIETA' AGRICOLA ZOOTECNICA CASA DEL CORTO SOCIETA' COOPERATIVA	SOCIETA' TOSCANA AGRICOLA IMMOBILIARE SOCIETA' A RESPONSABILITA' LIMITATA IN BREVE S.T.A.I.-S.R.L.
17. Raising of horses and other equines	BIGAZZI ADELE	HAPPY HORSE FARM DI FANCIULLACCI ANNA	O.T. SOCIETA' AGRICOLA S.R.L.	ORSETTA S.R.L.	VALEZIA S.R.L.
19. Support activities for crop production	AGRICOLA TECNOVITE SRL.	COLLEGIO TOSCANO DEGLI OLIVICOLTORI - OL.MA. SOCIETA' AGRICOLA COOPERATIVA IN SIGLA OL.MA. OD OL.MA. S.A.C.	FLORA TOSCANA SOCIETA' AGRICOLA COOPERATIVA	L'UNITARIA COOPERATIVA ZOOCEREALICOLA - SOCIETA' COOPERATIVA	PASTACALDI E C. S.R.L.
20. Support activities for animal production	CANTINI LEONARDO	COLOMBINI EMILIANO	DEL LUNGO FILIPPO	FANOTTI MICHELE	LORENZO GALLOTTA
21. Post-harvest crop activities	A.T.I.C.- ASSOCIAZIONE TABACCICOLTORI ITALIA CENTRALE SOCIETA' COOPERATIVA AGRICOLA	PRODUTTORI DI LATTE TERRE DEL GRANDUCATO SOCIETA' AGRICOLA COOPERATIVA	SAPORI DI MAREMMA - SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' COOPERATIVA AGRICOLA FLORICOLTORI E ORTOFRUTTICOLTORI - RIVIERA ALTO TIRRENO - FLOR- EXPORT ENUNCIABILE ANCHE IN SOCIETA' COOPERATIVA FLOR- EXPORT	SOCIETA' COOPERATIVA CONSORZIO CASEIFICIO DI SORANO SOCIETA' AGRICOLA
32. Growing of crops with trade & services	CASTELLARE DI CASTELLINA S.R.L. SOCIETA' AGRICOLA	CONSORZIO PER LA GESTIONE DELLE RISORSE AGRO- FORESTALI DI VILLA BASILICA	ETRURIA ROYAL FRUIT SOCIETA' AGRICOLA CONSORTILE A.R.L.IN FORMA A BBREVIASTA ETRURIA ROYAL FRUIT	GARFAGNANA TROTE DI SATTI LUCA E FRANCESCO S.A.S.	VIVITOSCANO S.R.L.
35. Raising of animals with trade & services	CERTIFIED ORIGINS ITALIA SOCIETA' A RESPONSABILITA' LIMITATA IN FORMA ABBREVIASTA CERTIFIED ORIGINS ITALIA SRL	CO.AGRI SOCIETA' AGRICOLA PRODOTTI AGROALIMENTARI DI QUALITA' IN SIGLA CO.AGRI AGRICOLA - S.R.L.			
37. Raising of animals with personal services	BOLGHERI MELODY SOCIET? A RESPONSABILIT? LIMITATA	MISERICORDIA PISTOIA SERVIZI S.R.L.			
40. Business management services	CONSORZIO LUNIGIANA PRODUCE	CONSORZIO TURISTICO PER LA CITT? DI PISTOIA	IL BORGIO S.R.L.	TENUTA VICCHIOMAGGIO EXPORT S.R.L.	TERRITORI DEL GUSTO
42. Animal farming, sport facilities & recreation services	BINFI S.P.A.	DEI FRESCOBALDI RETAIL & RESTAURANT S.R.L. LA SOCIETA' POTRA' ESSERE ANCHE INDICATA CON LE SIGLE: DEI FRESCOBALDI R&R - FRESCOBALDI R&R - DFR&R	EMPOLI F.B.C. - S.P.A.	IL CAVALIERE DEL CASTELLO DI GABBIANO - SOCIETA' A RESPONSABILITA' LIMITATA CON UNICO SOCIO	LOCANDA DI FONTERUTOLI S.R.L.
45. Construction support services	INERTI VAL D'ORCIA S.R.L.				
46. Construction operations	CASALBOSCO S.R.L.	E.M.D. COSTRUZIONI SRL	GREEN PARK S.R.L.	TEGOLAIA S.R.L.	TIBERI S.N.C. DI STEFANO SERRANTI E.C.
47. Manufacturing of food products	OL.C.A.S. OLIVICOLTORI DELLE COLLINE DELL'ARNO E DELLA SIEVE S.R.L.	PALEO MAREMMA S.R.L.			

49. Miscellaneous product manufacturing	C.G. STUDIO S.R.L.				
50. Manufacturing of agro-farming & other machinery & equipment	3DNEXTECH S.R.L.	GIOTTI VICTORIA S.R.L.			
51. Production of electricity	CONSORZIO GROSSETO ENERGIA - SOCIETA' CONSORTILE R.L. IN BREVE CO.G.R.E. S.C.R.L.	MUGELLO GESTIONI ENERGIA S.R.L.			
52. Sewerage, cleaning & waste treatment	SOCIETA' AGRICOLA I LAGHETTI S.R.L.				
54. R&D & technical testing	APOTECA NATURA S.P.A.	CONSORZIO DI TUTELA DEL VINO A DENOMINAZIONE DI ORIGINE ORCIA	CONSORZIO PER LA RICERCA E LA DIMOSTRAZIONE SULLE ENERGIE RINNOVABILI	CONSORZIO TUTELA VINI DELLA MAREMMA TOSCANA	CONSORZIO VINO CHIANTI CLASSICO
59. Misc. trade and support services for crop production	AGRI VIVAI S.R.L.	BERINGER BLASS DISTRIBUTION - S.R.L.	DALLEVIGNE S.P.A.	GRANAI DI TOSCANA SOCIETA' AGRICOLA COOPERATIVA	MONTALBANO AGRICOLA ALIMENTARE TOSCANA S.P.A.

ITI3 – Marche

Figure 15. Regional comparative strengths in value chain segments in Marche (*arable crops, perennial trees & livestock*)

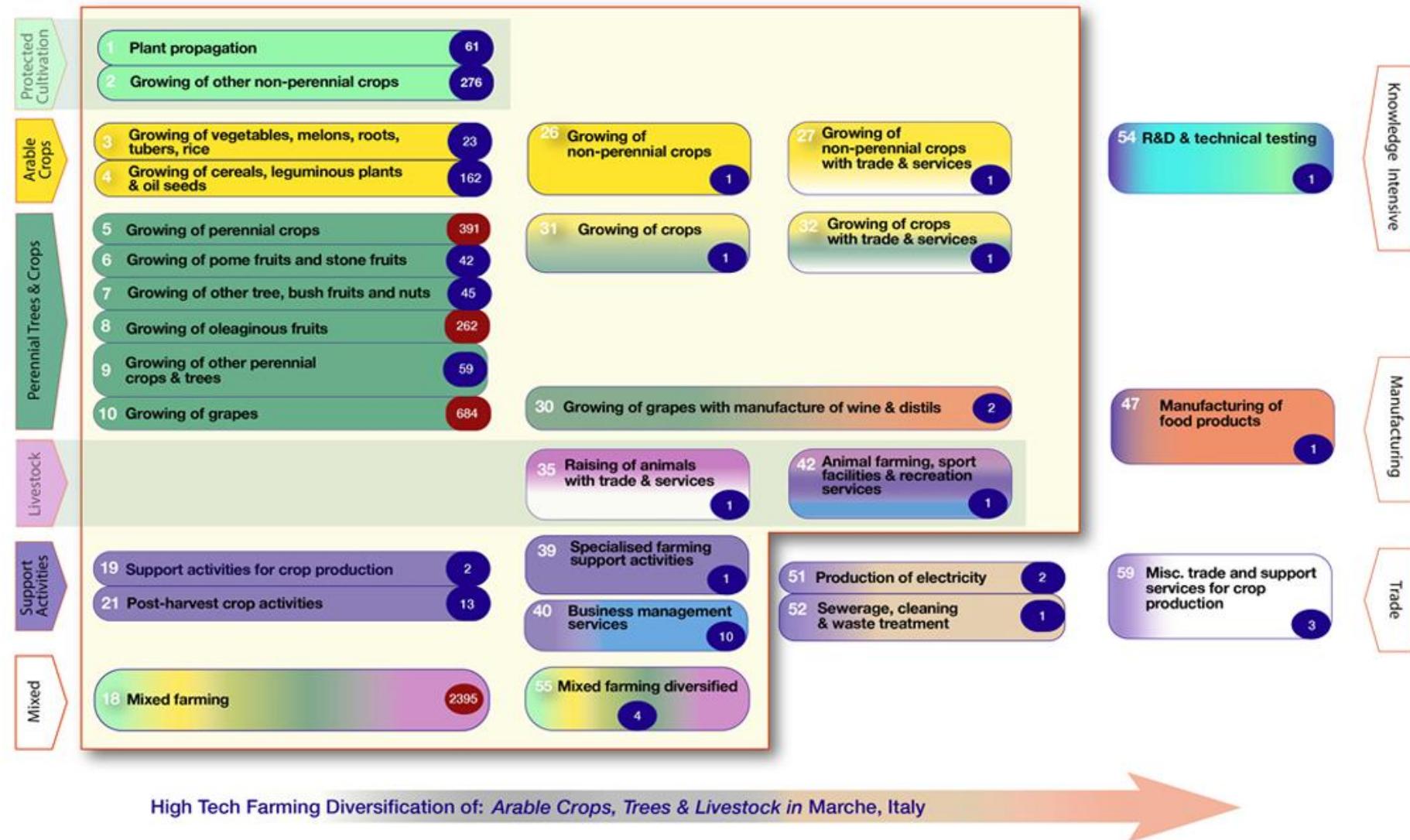


Table 60. Population of farming firms in Marche

Marche	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	4,417	29	4,446	2,616	352	1,092	357	29	4,446
	99.3%	.7%	100.0%	58.8%	7.9%	24.6%	8.0%	.7%	100.0%

Table 61. Regional diversification in Marche (number of industry codes per firm)

Marche	Regional diversification				
	1	2	3	Total	Mean
	4,440	4	2	4,446	1
	99.9%	.1%	.0%	100.0%	

Example: 4440 (99.9%) of all firms in the region in the database have only one industry code of activities.

Table 62. Distribution of firms in value chain segments in Marche

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	2	2	36	61	56	18	6	61
2. Growing of other non-perennial crops	2	1	133	276	600	113	15	276
3. Growing of vegetables, melons, roots, tubers, rice	11	6	17	23	698	250	23	23
4. Growing of cereals, leguminous plants & oil seeds	4	1	86	162	456	250	160	162
5. Growing of perennial crops	1	1	201	391	115	9	3	391
6. Growing of pome fruits and stone fruits	1	1	11	42	250	250	2	42
7. Growing of other tree, bush fruits and nuts	1	1	19	45	250	250	2	45
8. Growing of oleaginous fruits	1	1	66	262	124	54	6	262
9. Growing of other perennial crops & trees	2	1	14	59	845	14	4	59
10. Growing of grapes	2	1	373	684	1,671	612	24	684
18. Mixed farming	1	1	1,292	2,395	199	219	20	2,395
19. Support activities for crop production	11	11	2	2	16	16	2	2
21. Post-harvest crop activities	6	1	4	13	753	378	7	13
26. Growing of non-perennial crops			0	1			1	1
27. Growing of non-perennial crops with trade & services	1	1	1	1	250	250	1	1
30. Growing of grapes with manufacture of wine & distils	14	14	2	2	3	3	2	2
31. Growing of crops			0	1			0	1
32. Growing of crops with trade & services			0	1			0	1
35. Rising of animals with trade & services	2	2	1	1			1	1
39. Specialised farming support activities	7	7	1	1	3	3	1	1
40. Business management services			0	10			3	10
42. Animal farming, sport facilities & recreation services	1	1	1	1			0	1
47. Manufacturing of food products	25	25	1	1	14	14	1	1
51. Production of electricity	2	2	1	2			2	2
52. Sewerage, cleaning & waste treatment	1	1	1	1	2	2	1	1
54. R&D & technical testing	1	1	1	1			1	1
55. Mixed farming diversified	3	3	2	4	1	1	1	4
59. Misc. trade and support services for crop production	6	6	2	3	8	2	3	3
Total	2	1	2268	4446	526	250	292	4446

Table 63. Leading companies in value chain segments in Marche

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
1. Plant propagation	MARI MARIO SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	PREDIA S.R.L. SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	SOCIETA' AGRICOLA IL FIORE DEI FIORI POESIA E ARTE NEI GIARDINI SRL	SOCIETA' AGRICOLA LE DUE QUERCE S.R.L.	VETIVERFARM MARCHE SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA SEMPLIFICATA UNIPERSONALE
2. Growing of other non-perennial crops	CIARROCCHI FLORICOLTURA SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	CIARROCCHI VIVAI SOCIETA' AGRICOLA A RESPONSABILITA' LIMITATA	PACCALONI LUIGINO REVERDE REGINI GARDEN S.R.L. SOCIETA' AGRICOLA		SOCIETA' AGRICOLA LA FIORITA S.R.L.
3. Growing of vegetables, melons, roots, tubers, rice	INNESTI LEOPARDI S.R.L. - SOCIETA' AGRICOLA	SOCIETA' AGRICOLA DEDICO S.R.L.	SOCIETA' AGRICOLA FORESTALE PIANURA VERDE S.R.L.	SOCIETA' AGRICOLA LA MARCHIGIANA SRL	UNDICESIMAORA SOCIETA' COOPERATIVA SOCIALE
4. Growing of cereals, leguminous plants & oil seeds	CAMPOMAGGIO 86 S.P.A. SOCIETA' AGRICOLA	G.A.I.A. GESTIONE ASSOCIASTA IMPRESE AGRICOLE - SOCIETA' AGRICOLA COOPERATIVA PER AZIONI OD IN SIGLA G.A.I.A. - SOCIETA' AGRICOLA COOPERATIVA PER AZIONI	GINO GIROLOMONI COOPERATIVA AGRICOLA	IL BIROCCIO SOCIETA' COOPERATIVA AGRICOLA	SOCIETA' AGRICOLA TALACCIO S.R.L.
5. Growing of perennial crops	CONSLA-AGRI SRL	DOMODIMONTI S.R.L. SOCIETA' AGRICOLA	NATURA DIVERSA S.R.L.		
6. Growing of pome fruits and stone fruits	AZIENDA AGRICOLA MARCO MENCARELLI	CARBONI VIRGINIO			
7. Growing of other tree, bush fruits and nuts	AZIENDA AGRICOLA ATLANTIDEA DI BELARDINELLI EMANUELA	POLINI ENZO			
8. Growing of oleaginous fruits	AZIENDA AGRICOLA L'ORE CHIARE SOCIETA' AGRICOLA A.R.L.	LA CERQUA SOCIETA' AGRICOLA S.R.L.	MARINELLI GAETANO	MORICA 101 S.R.L. - SOCIETA' AGRICOLA	SELVA SOCIETA' COOPERATIVA SOCIALE
9. Growing of other perennial crops & trees	COOPERATIVA AGRICOLA MONTANA PIANTE OFFICINALI E PRODOTTI AGRICOLI NATURALI - CAMPO SOCIETA' COOPERATIVA AGRICOLA O IN SIGLA C.A.M.P.O. S.C.A.	ELISIR DEL CONERO SRL SOCIETA' AGRICOLA	ITALIA SELVATICA S.R.L. AGRICOLA SEMPLIFICATA		
10. Growing of grapes	CASA VINICOLA GIOACCHINO GAROFOLI SOCIETA' PER AZIONI E IN FORMA ABBREVIASTA GIOGAR-VINI O VITIVINICOLA GI.GI. O SAN ROCCHETTO O REALI	LA CANTINA DEI COLLI RIPANI - SOCIETA' COOPERATIVA (IN FORMA ABBREVIASTA CR SOCIETA' COOPERATIVA)	S.C.A.C.SOCIETA' COOPERATIVA AGRICOLA	TENUTE PIERALISI SOCIETA' A RESPONSABILITA' LIMITATA SOCIETA' AGR ICOLA	VITIVINICOLA COSTADORO SOCIETA' AGRICOLA S.R.L.
18. Mixed farming	3A AZIENDE AGRICOLE ASSOCIEATE SOCIETA' COOPERATIVA AGRICOLA O IN SIGLA 3A S.C.A.	FIACCONI ELIO	GREEN HOUSE UNO SOCIETA' AGRICOLA S.R.L.	S.A.M. - SOCIETA' AGRICOLA MARCHIGIANA -S.R.L.	VERDE E VITA COOPERATIVA AGRICOLA
19. Support activities for crop production	AGROMARCHE SOCIETA' CONSORZIO AGRICOLTORI RESPONSABILITA' LIMITATA	TERRA BIO CONSORZIO AGRICOLTORI BIOLOGICI SOCIETA' COOPERATIVA			
21. Post-harvest crop activities	CANTINA SOCIALE DEI COLLI PESARESI SOCIETA' COOPERATIVA AGRICOLA O IN SIGLA LA MORCIOLA S.C.A.	LA BIOLOGICA SOCIETA' COOPERATIVA AGRICOLA	LA ROSSA DI COLFIORITO SOCIETA' COOPERATIVA AGRICOLA	LA TERRA E IL CIELO SOCIET? AGRICOLA COOPERATIVA	MONTEBELLO COOPERATIVA AGROBIOLOGICA

26. Growing of non-perennial crops	AGRIDEA - SOCIETA' AGRICOLA E FORESTALE A RESPONSABILITA' LIMITATA		
27. Growing of non-perennial crops with trade & services	LO CIOCCO SUPER DI LINARDELLI FABIO		
30. Growing of grapes with manufacture of wine & distils	COLLEVITE SRL - CANTINE DELLA MARCA	MARCHEDOC SOCIETA' COOPERATIVA AGRICOLA	
35. Raising of animals with trade & services	ANTICA CONTEA SOCIETA' COOPERATIVA AGRICOLA TRA ALLEVATORI E AGRICOLTORI		
39. Specialised farming support activities	ITALCER - SOCIETA' COOPERATIVA AGRICOLA IN SIGLA ITALCER SOC. COOP. P. AGR.		
40. Business management services	CONSORZIO FV COLONNATA	CONSORZIO TERRE DEL CATRIA	
47. Manufacturing of food products	AGROSERVICE S.P.A.		
51. Production of electricity	CONSORZIO ENERGIA NUOVA	VERDENERGIA SOCIETA' COOPERATIVA AGRICOLA	
52. Sewerage, cleaning & waste treatment	COVALM BIOGAS SOCIETA' CONSORTILE AGRICOLA A RESPONSABILITA' LIMITATA		
54. R&D & technical testing	CONSORZIO MARCHE BIOLOGICHE - SOCIETA' COOPERATIVA AGRICOLA		
55. Mixed farming diversified	SOCIETA' AGRICOLA L'ALBERO AZZURRO S.R.L.		
59. Misc. trade and support services for crop production	ATHENA SOCIETA' A RESPONSABILITA' LIMITATA O, IN FORMA ABBREVIA ATHENA S.R.L.	CLEVER S.R.L.	OP LA MARCA GRAINS SOCIETA' CONSORTILE A.R.L.

NL1 - Northern Netherlands

Figure 16. Regional comparative strengths in value chain segments in Northern Netherlands (*livestock*)

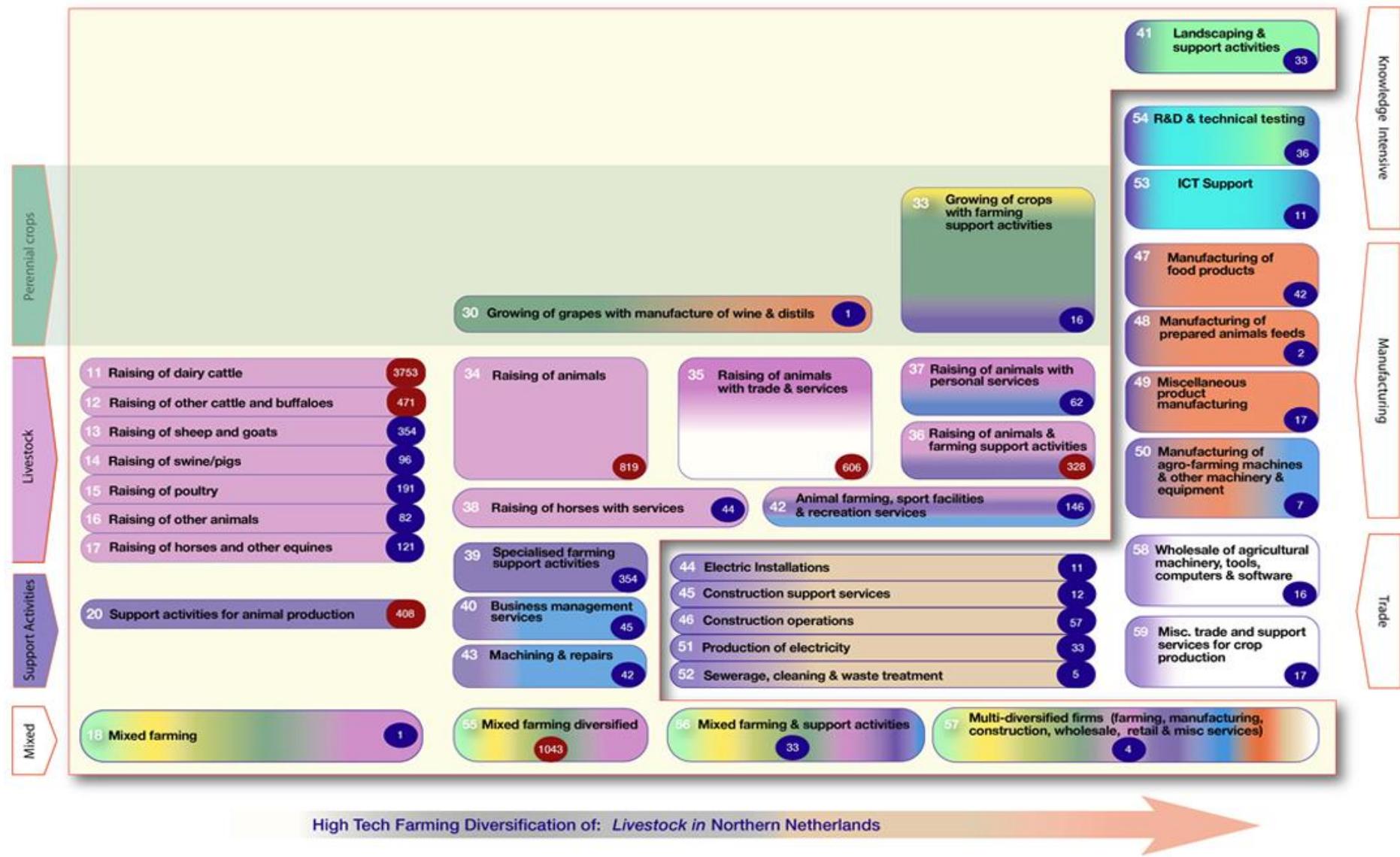


Table 64. Population of farming firms in Northern Netherlands

Northern Netherlands	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	9,299	20	9,319	3,206	725	963	4,405	20	9,319
	99.8%	.2%	100.0%	34.4%	7.8%	10.3%	47.3%	.2%	100.0%

Table 65. Regional diversification in Northern Netherlands (number of industry codes per firm)

Northern Netherlands	Regional diversification									
	1	2	3	4	5	6	7	8	Total	Mean
	5,311	2,628	1,281	75	13	5	5	1	9,319	2
	57.0%	28.2%	13.7%	.8%	.1%	.1%	.1%	.0%	100.0%	

Example: 5311 (57.0%) of all firms in the region in the database have only one industry code of activities.

Table 66. Distribution of firms in value chain segments in Northern Netherlands

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
11. Raising of dairy cattle	2	2	2,977	3,753				3,753
12. Raising of other cattle and buffaloes	2	2	132	471				471
13. Raising of sheep and goats	1	1	243	354				354
14. Raising of swine/pigs	2	2	57	96				96
15. Raising of poultry	2	2	106	191				191
16. Raising of other animals	2	1	16	82				82
17. Raising of horses and other equines	2	2	14	121				121
18. Mixed farming			0	1				1
20. Support activities for animal production	1	1	71	408				408
30. Growing of grapes with manufacture of wine & distils			0	1				1
33. Growing of crops with farming support activities	2	1	7	16				16
34. Raising of animals	2	2	486	819				819
35. Rising of animals with trade & services	2	2	337	606				606
36. Raising of animals & farming support activities	2	2	190	328				328
37. Raising of animals with personal services	2	1	10	62				62
38. Raising of horses & services	1	1	15	44				44
39. Specialised farming support activities	2	1	91	354				354
40. Business management services	896	2	9	45	99,398	126,256	3	45
41. Landscaping & support activities	1	1	10	33			0	33
42. Animal farming, sport facilities & recreation services	2	1	36	146			0	146
43. Machining & repair	1	1	9	42			0	42
44. Electric Installations	2	2	3	11			0	11
45. Construction support services	1	1	1	12			0	12
46. Construction operations	1	1	18	57			0	57
47. Manufacturing of food products	2	2	23	42			0	42
48. Manufacturing of prepared animals feeds	1	1	1	2			0	2
49. Miscellaneous product manufacturing	1	1	6	17			0	17
50. Manufacturing of agro-farming & other machinery & equipment	1	1	4	7			0	7
51. Production of electricity	3	2	24	33			0	33
52. Sewerage, cleaning & waste treatment	4	1	3	5			0	5
53. ICT support	2	2	1	11			0	11
54. R&D & technical testing	1	1	14	36			0	36
55. Mixed farming diversified	2	2	474	1,043			0	1,043
56. Mixed farming & support activities	3	2	20	33			0	33
57. Multi-diversified firms	3	3	1	4			0	4
58. Wholesale of agricultural machinery, tools, computers & software	1	1	6	16			0	16
59. Misc. trade and support services for crop production	1	1	5	17			0	17
Total	4	2	5,420	9,319	85,705	85,441	4	9,319

Table 67. Leading companies in value chain segments in Northern Netherlands

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016		
12. Raising of other cattle and buffaloes	KALVERMESTERIJ DAMKA B.V.		
40. Business management services	ABIANT HOLDING B.V.	COOPERATIE VOOR AGRARISCHE BEDRIJFSVERZORGING ABIANT U.A.	KOEON HOLDING B.V.

NL22 – Gelderland

Figure 17. Regional comparative strengths in value chain segments in Gelderland (*perennial trees*)

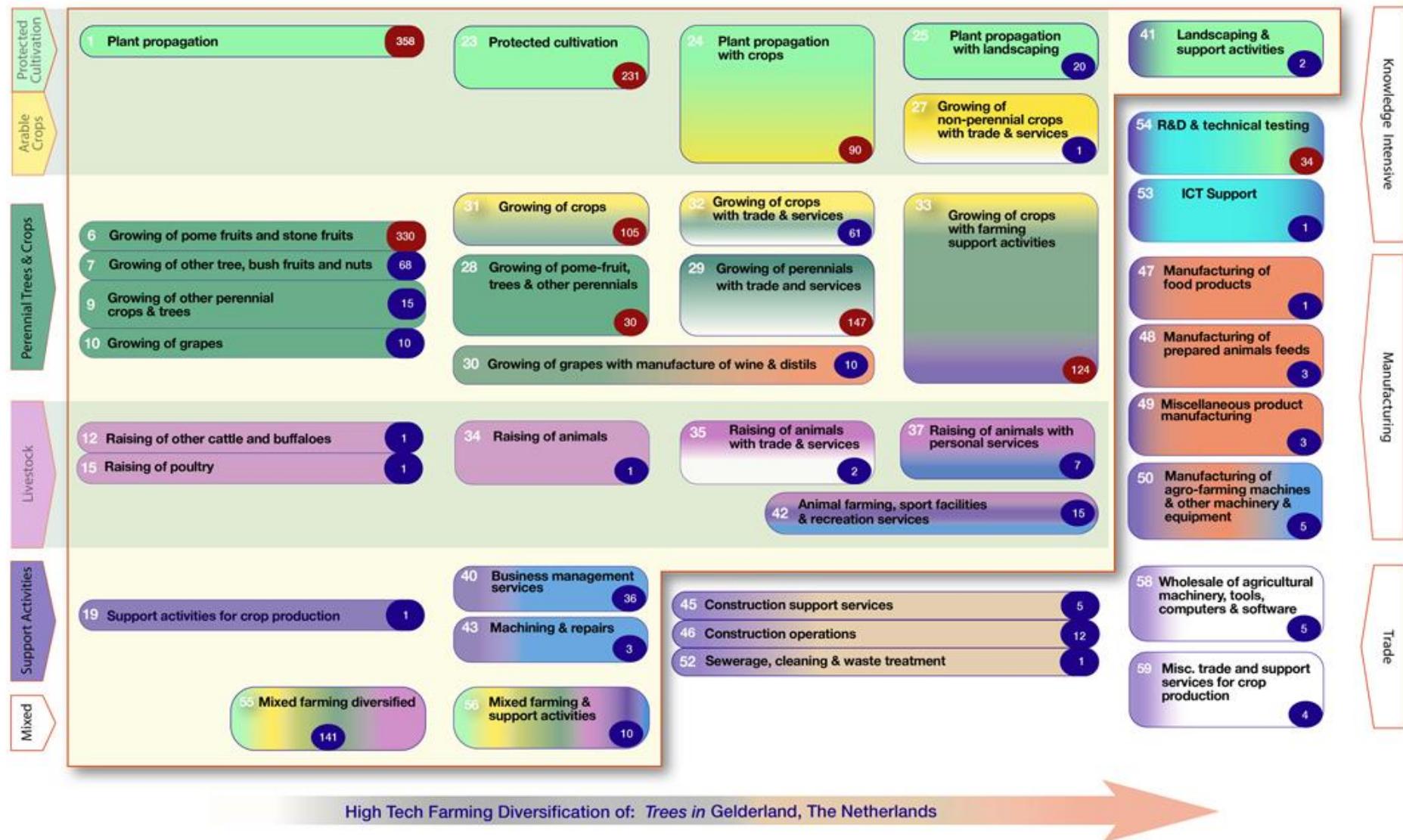


Table 68. Population of farming firms in Gelderland

Gelderland	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	1,852	42	1,894	599	117	424	712	42	1,894
	97.8%	2.2%	100.0%	31.6%	6.2%	22.4%	37.6%	2.2%	100.0%

Table 69. Regional diversification in Gelderland (number of industry codes per firm)

Gelderland	Regional diversification									
	1	2	3	4	5	6	7	10+	Total	Mean
	809	635	397	39	4	3	5	2	1,894	2
	42.7%	33.5%	21.0%	2.1%	.2%	.2%	.3%	.1%	100.0%	

Example: 809 (42.7%) of all firms in the region in the database have only one industry code of activities.

Table 70. Distribution of firms in value chain segments in Gelderland

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	4	2	151	358				0 358
6. Growing of pome fruits and stone fruits	3	2	199	330				0 330
7. Growing of other tree, bush fruits and nuts	4	2	24	68				0 68
9. Growing of other perennial crops & trees	1	1	1	15				0 15
10. Growing of grapes	1	1	3	10				0 10
12. Raising of other cattle and buffaloes			0	1				0 1
15. Raising of poultry			0	1				0 1
19. Support activities for crop production			0	1				0 1
23. Protected cultivation	7	2	76	231				0 231
24. Plant propagation with crops	4	3	26	90				0 90
25. Plant propagation with landscaping	11	6	7	20				0 20
27. Growing of non-perennial crops with trade & services			0	1				0 1
28. Growing of pome fruit, trees & other perennials	3	2	12	30				0 30
29. Growing of perennials with trade and services	3	2	59	147				0 147
30. Growing of grapes with manufacture of wine & distils	1	1	1	10				0 10
31. Growing of crops	3	2	31	105				0 105
32. Growing of crops with trade & services	2	2	18	61				0 61
33. Growing of crops with farming support activities	3	2	68	124				0 124
34. Raising of animals	7	7	1	1				0 1
35. Raising of animals with trade & services			0	2				0 2
37. Raising of animals with personal services	5	4	4	7				0 7
40. Business management services	1	1	3	36				0 36
41. Landscaping & support activities			0	2				0 2
42. Animal farming, sport facilities & recreation services	3	2	3	15				0 15
43. Machining & repair	1	1	1	3				0 3
45. Construction support services			0	5				0 5
46. Construction operations	2	2	2	12				0 12
47. Manufacturing of food products			0	1				0 1
48. Manufacturing of prepared animals feeds			0	3				0 3
49. Miscellaneous product manufacturing	4	4	2	3				0 3
50. Manufacturing of agro-farming & other machinery & equipment	1	1	2	5				0 5
52. Sewerage, cleaning & waste treatment			0	1				0 1
53. ICT support	1	1	1	1				0 1
54. R&D & technical testing	2	2	13	34				0 34
55. Mixed farming diversified	2	2	54	141				0 141
56. Mixed farming & support activities	1	1	1	10				0 10
58. Wholesale of agricultural machinery, tools, computers & software	18	2	3	5				0 5
59. Misc. trade and support services for crop production			0	4				0 4
Total	3	2	766	1,894				0 1,894

NL32 - Noord Holland

Figure 18. Regional comparative strengths in value chain segments in Noord Holland (*protected cultivation & arable crops*)

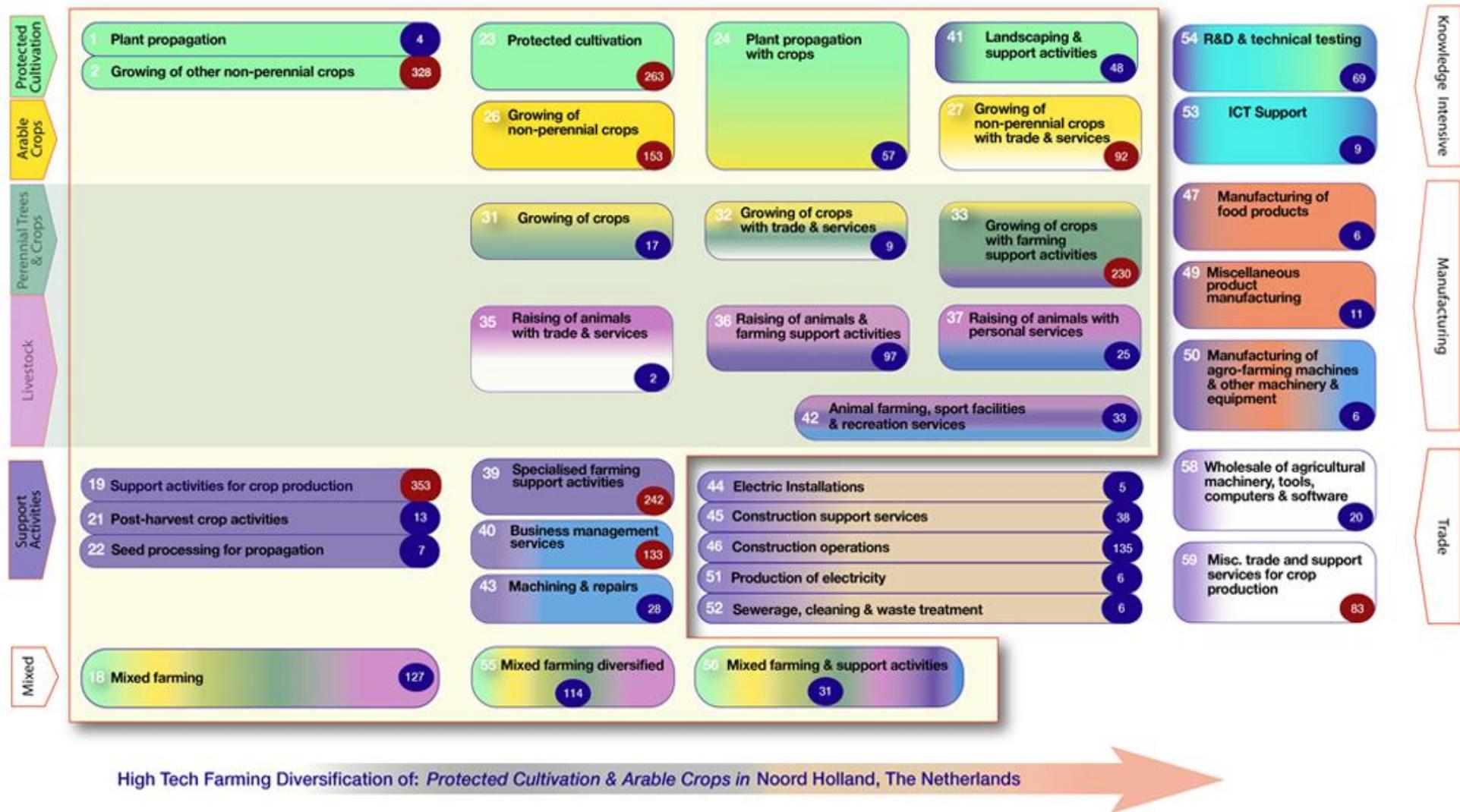


Table 71. Population of farming firms in Noord Holland

Noord Holland	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	2,717	83	2,800	1,125	88	453	1,051	83	2,800
	97.0%	3.0%	100.0%	40.2%	3.1%	16.2%	37.5%	3.0%	100.0%

Table 72. Regional diversification in Noord Holland (number of industry codes per firm)

Noord Holland	Regional diversification								
	1	2	3	4	5	6	8	Total	Mean
	880	1,045	763	92	15	4	1	2,800	2
	31.4%	37.3%	27.3%	3.3%	.5%	.1%	.0%	100.0%	

Example: 880 (31.4%) of all firms in the region in the database have only one industry code of activities.

Table 73. Distribution of firms in value chain segments in Noord Holland

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation			0	4			0	4
2. Growing of other non-perennial crops	8	3	89	328			0	328
18. Mixed farming	14	3	15	127			0	127
19. Support activities for crop production	2	1	58	353			0	353
21. Post-harvest crop activities	6	2	7	13			0	13
22. Seed processing for propagation	18	17	3	7			0	7
23. Protected cultivation	9	4	99	263	17,518	20,276	3	263
24. Plant propagation with crops	11	2	20	57			0	57
26. Growing of non-perennial crops	2	2	38	153			0	153
27. Growing of non-perennial crops with trade & services	21	2	21	92	38,647	38,647	1	92
31. Growing of crops	3	3	4	17			0	17
32. Growing of crops with trade & services			0	9			0	9
33. Growing of crops with farming support activities	3	1	82	230			0	230
35. Raising of animals with trade & services			0	2			0	2
36. Raising of animals & farming support activities	2	2	60	97			0	97
37. Raising of animals with personal services	1	1	10	25			0	25
39. Specialised farming support activities	8	1	48	242	183	183	1	242
40. Business management services	3	1	21	133			0	133
41. Landscaping & support activities	4	1	11	48			0	48
42. Animal farming, sport facilities & recreation services	3	1	8	33			0	33
43. Machining & repair	1	1	1	28			0	28
44. Electric Installations	2	2	2	5			0	5
45. Construction support services	1	1	7	38			0	38
46. Construction operations	6	1	34	135			0	135
47. Manufacturing of food products	244	34	3	6	290,588	290,588	1	6
49. Miscellaneous product manufacturing	4	2	3	11			0	11
50. Manufacturing of agro-farming & other machinery & equipment	2	2	2	6			0	6
51. Production of electricity	1	1	1	6			0	6
52. Sewerage, cleaning & waste treatment	17	17	2	6			0	6
53. ICT support	6	1	3	9	33,803	33,803	1	9
54. R&D & technical testing	66	1	27	69	225,136	225,136	2	69
55. Mixed farming diversified	2	2	49	114			0	114
56. Mixed farming & support activities	4	3	8	31			0	31
58. Wholesale of agricultural machinery, tools, computers & software	2	1	7	20			0	20
59. Misc. trade and support services for crop production	10	4	20	83	215	215	1	83
Total	9	2	763	2,800	86,626	28,155	10	2,800

Table 74. Leading companies in value chain segments in Noord Holland

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016		
23. Protected cultivation	TAKII EUROPE B.V.	TRIFLOR B.V.	TRIFLOR HOLDING B.V.
27. Growing of non-perennial crops with trade & services	ENZA ZADEN RESEARCH & DEVELOPMENT B.V.		
39. Specialised farming support activities	BEJO ZADEN B.V.		
47. Manufacturing of food products	G. KRAMER & ZONEN BEHEER B.V.		
53. ICT support	LEVI 9 GLOBAL SOURCING B.V.		
54. R&D & technical testing	BEJO FINANCE B.V.	ENZA ZADEN SEED OPERATIONS B.V.	
59. Misc. trade and support services for crop production	TRADIN ORGANIC AGRICULTURE B.V.		

NL33 - Zuid Holland

Figure 19. Regional comparative strengths in value chain segments in Zuid Holland (*protected cultivation & perennial trees*)

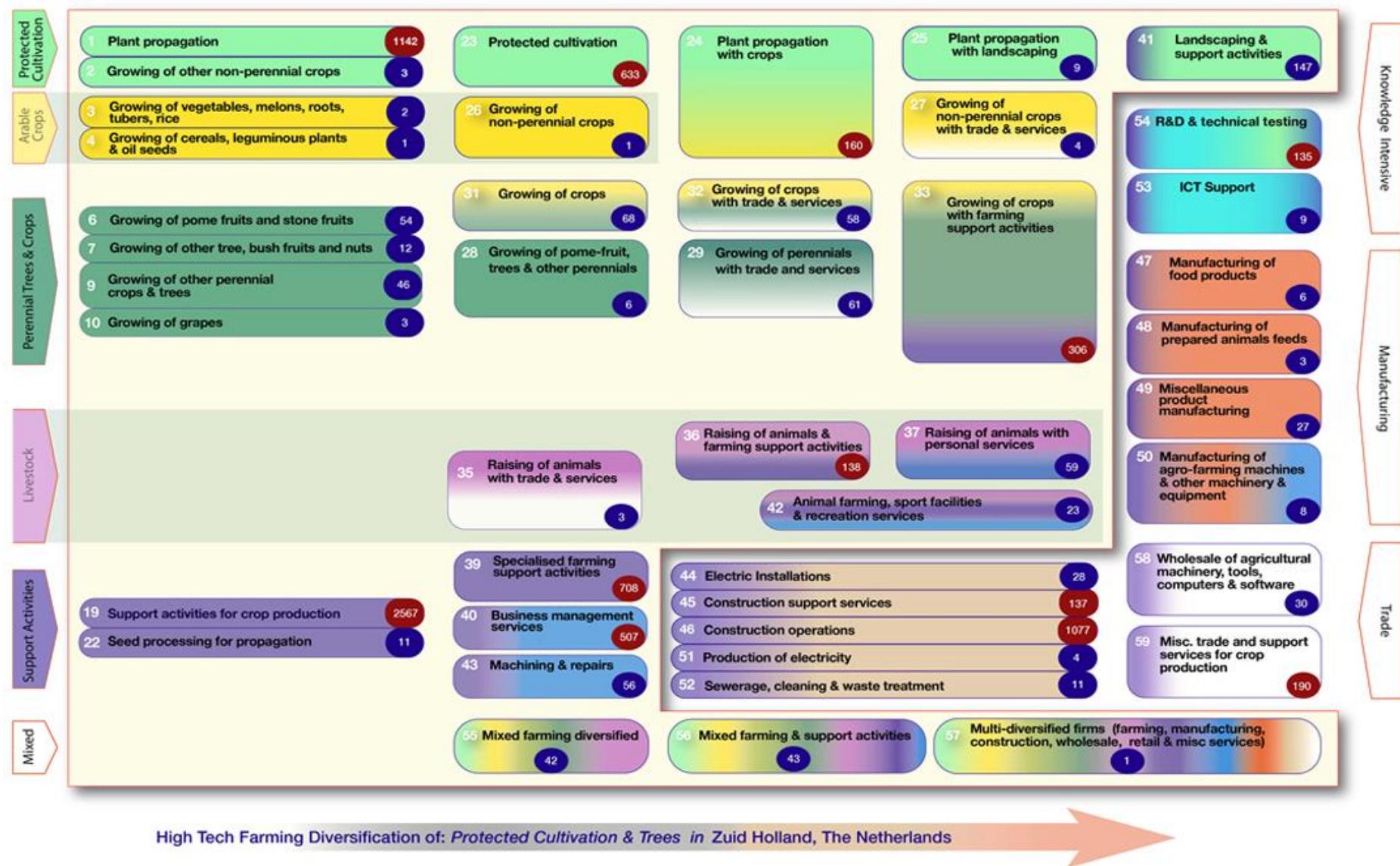


Table 75. Population of farming firms in Zuid Holland

Zuid Holland	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	8,380	159	8,539	5,179	245	1,163	1,793	159	8,539
	98.1%	1.9%	100.0%	60.7%	2.9%	13.6%	21.0%	1.9%	100.0%

Table 76. Regional diversification in Zuid Holland (number of industry codes per firm)

Zuid Holland	Regional diversification										
	1	2	3	4	5	6	7	9	10+	Total	Mean
	3,938	2,860	1,517	179	27	10	6	1	1	8,539	2
	46.1%	33.5%	17.8%	2.1%	.3%	.1%	.1%	.0%	.0%	100.0%	

Example: 3938 (46.1%) of all firms in the region in the database have only one industry code of activities.

Table 77. Distribution of firms in value chain segments in Zuid Holland

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	5	3	455	1,142				0 1,142
2. Growing of other non-perennial crops	5	5	1	3				0 3
3. Growing of vegetables, melons, roots, tubers, rice	1	1	1	2				0 2
4. Growing of cereals, leguminous plants & oil seeds			0	1				0 1
6. Growing of pome fruits and stone fruits	3	2	37	54				0 54
7. Growing of other tree, bush fruits and nuts	3	2	3	12				0 12
9. Growing of other perennial crops & trees	8	2	9	46				0 46
10. Growing of grapes	2	2	1	3				0 3
19. Support activities for crop production	1	1	493	2,567	100	100	1	2,567
22. Seed processing for propagation	1	1	1	11			0	11
23. Protected cultivation	9	4	200	633	66,924	66,924	1	633
24. Plant propagation with crops	7	2	51	160			0	160
25. Plant propagation with landscaping	2	2	3	9			0	9
26. Growing of non-perennial crops	10	10	1	1			0	1
27. Growing of non-perennial crops with trade & services	5	5	1	4			0	4
28. Growing of pome fruit, trees & other perennials			0	6			0	6
29. Growing of perennials with trade and services	7	2	22	61			0	61
31. Growing of crops	2	2	12	68			0	68
32. Growing of crops with trade & services	37	5	15	58	167,701	167,701	2	58
33. Growing of crops with farming support activities	21	2	132	306	387,850	387,850	1	306
35. Raising of animals with trade & services			0	3			0	3
36. Raising of animals & farming support activities	2	2	92	138			0	138
37. Raising of animals with personal services	1	1	8	59			0	59
39. Specialised farming support activities	18	1	174	708	22,856	22,856	1	708
40. Business management services	12	2	110	507	20,365	12,481	5	507
41. Landscaping & support activities	2	1	24	147			0	147
42. Animal farming, sport facilities & recreation services	2	2	7	23			0	23
43. Machining & repair	2	1	10	56			0	56
44. Electric Installations	1	1	9	28			0	28
45. Construction support services	2	1	43	137			0	137
46. Construction operations	2	1	265	1,077			0	1,077
47. Manufacturing of food products	3	3	2	6			0	6
48. Manufacturing of prepared animals feeds	1	1	1	3			0	3
49. Miscellaneous product manufacturing	1	1	10	27			0	27
50. Manufacturing of agro-farming & other machinery & equipment			0	8			0	8
51. Production of electricity	10	10	1	4			0	4
52. Sewerage, cleaning & waste treatment	8	1	4	11			0	11

53. ICT support	2	2	1	9			0	9
54. R&D & technical testing	8	1	37	135			0	135
55. Mixed farming diversified	2	2	18	42			0	42
56. Mixed farming & support activities	5	2	16	43			0	43
57. Multi-diversified firms	34	34	1	1			0	1
58. Wholesale of agricultural machinery, tools, computers & software	104	5	4	30	170,457	170,457	1	30
59. Misc. trade and support services for crop production	18	2	41	190	170,744	170,744	1	190
Total	7	1	2,316	8,539	96,627	47,044	13	8,539

Table 78. Leading companies in value chain segments in Zuid Holland

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016						
19. Support activities for crop production	TRC B.V.						
23. Protected cultivation	FLORENSIS B.V.						
32. Growing of crops with trade & services	BEST FRESH GROUP B.V. VAN GELDER RIDDERKERK B.V.						
33. Growing of crops with farming support activities	RIJK ZWAAN TOP HOLDING B.V.						
39. Specialised farming support activities	EURO WEST B.V.						
40. Business management services	BLOKLAND HOLDING B.V.	GROW GROUP NEDERLAND B.V.	SO GROUP B.V.	SO NATURAL B.V.	STARRE GROUP B.V.		
58. Wholesale of agricultural machinery, tools, computers & software	HORTICOOP B.V.						
59. Misc. trade and support services for crop production	COOPERATIEF KONINKLIJK TUINBOUWCENTRUM HORTICOOP U.A.						

NL41 – North Brabant

Figure 20. Regional comparative strengths in value chain segments in North Brabant (*livestock*)

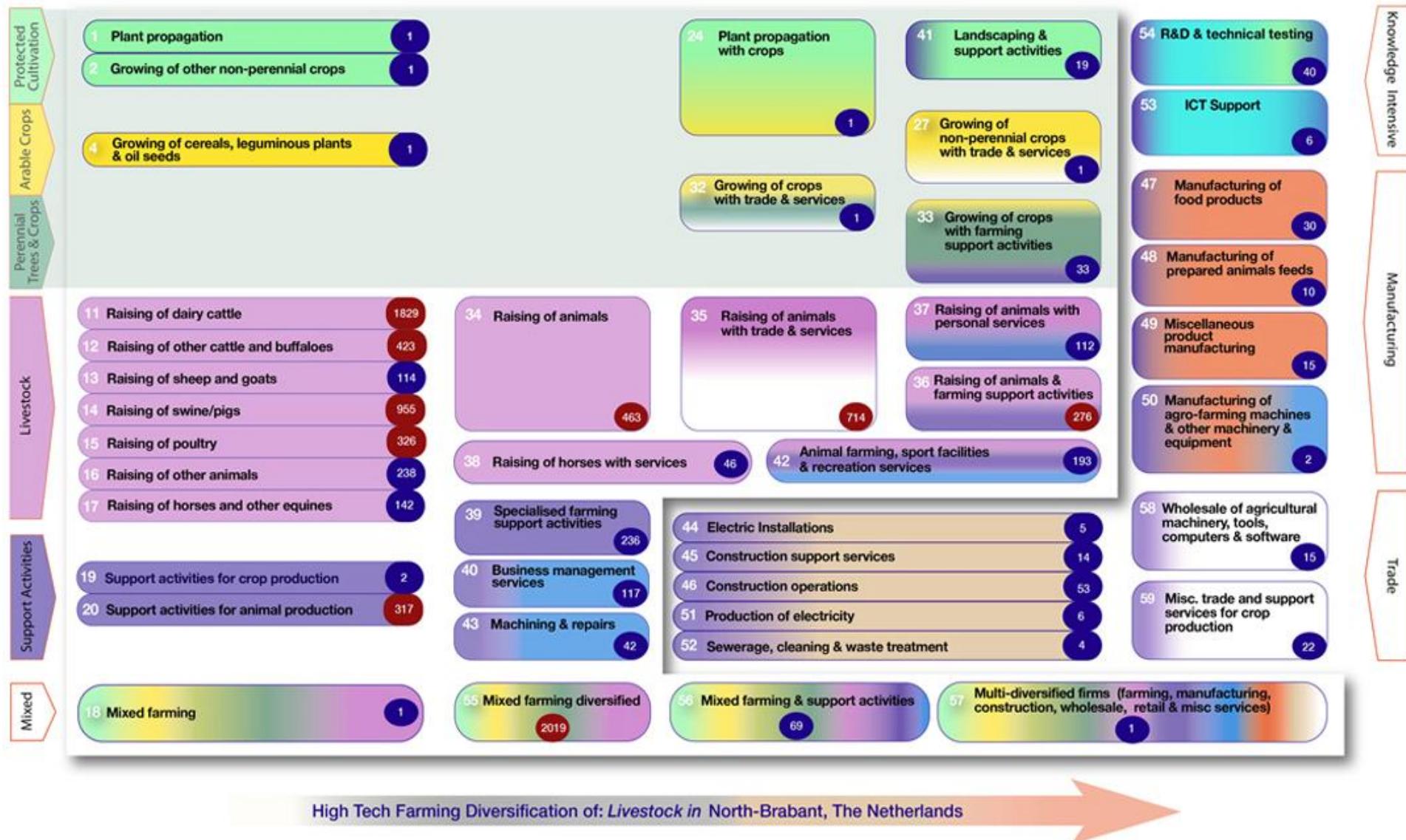


Table 79. Population of farming firms in North Brabant

North Brabant	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	8,842	73	8,915	2,851	939	1768	3,284	73	8,915
	99.2%	.8%	100.0%	32.0%	10.5%	19.8%	36.8%	.8%	100.0%

Table 80. Regional diversification in North Brabant (number of industry codes per firm)

North Brabant	Regional diversification									
	1	2	3	4	5	6	7	8	Total	Mean
	4,282	3,009	1,504	104	12	1	2	1	8,915	2
	48.0%	33.8%	16.9%	1.2%	.1%	.0%	.0%	.0%	100.0%	

Example: 4282 (48.0%) of all firms in the region in the database have only one industry code of activities.

Table 81. Distribution of firms in value chain segments in North Brabant

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	5	5	1	1			0	1
2. Growing of other non-perennial crops			0	1			0	1
4. Growing of cereals, leguminous plants & oil seeds			0	1			0	1
11. Raising of dairy cattle	2	2	1,043	1,829			0	1,829
12. Raising of other cattle and buffaloes	2	2	141	423			0	423
13. Raising of sheep and goats	2	2	58	114			0	114
14. Raising of swine/pigs	2	2	436	955			0	955
15. Raising of poultry	3	2	157	326	78,783	78,783	1	326
16. Raising of other animals	3	2	51	238			0	238
17. Raising of horses and other equines	2	2	20	142			0	142
18. Mixed farming			0	1			0	1
19. Support activities for crop production			0	2			0	2
20. Support activities for animal production	2	1	55	317			0	317
24. Plant propagation with crops			0	1			0	1
27. Growing of non-perennial crops with trade & services			0	1			0	1
32. Growing of crops with trade & services			0	1			0	1
33. Growing of crops with farming support activities	2	2	8	33			0	33
34. Raising of animals	2	2	184	463			0	463
35. Rising of animals with trade & services	2	2	268	714			0	714
36. Raising of animals & farming support activities	28	2	126	276	186,343	11,9831	3	276
37. Raising of animals with personal services	2	1	29	112			0	112
38. Raising of horses & services	1	1	9	46			0	46
39. Specialised farming support activities	11	1	53	236	119,705	119,705	1	236
40. Business management services	22	1	24	117	104,208	104,208	1	117
41. Landscaping & support activities	1	1	3	19			0	19
42. Animal farming, sport facilities & recreation services	2	2	38	193			0	193
43. Machining & repair	2	1	15	42			0	42
44. Electric Installations	3	2	3	5			0	5
45. Construction support services	1	1	4	14			0	14
46. Construction operations	2	1	14	53			0	53
47. Manufacturing of food products	12	2	19	30	77	77	1	30
48. Manufacturing of prepared animals feeds	114	2	3	10			0	10
49. Miscellaneous product manufacturing	2	2	4	15			0	15
50. Manufacturing of agro-farming & other machinery & equipment			0	2	75	75	1	2
51. Production of electricity	3	3	2	6			0	6
52. Sewerage, cleaning & waste treatment	689	689	1	4	204	204	1	4
53. ICT support	1	1	4	6			0	6
54. R&D & technical testing	2	2	23	40			0	40
55. Mixed farming diversified	2	2	818	2,019			0	2,019
56. Mixed farming & support activities	2	2	24	69			0	69
57. Multi-diversified firms	1	1	1	1			0	1

58. Wholesale of agricultural machinery, tools, computers & software	2	2	10	15			0	15
59. Misc. trade and support services for crop production	1	1	3	22			0	22
Total	4	2	3,652	8,915	95,787	78,783	9	8,915

Table 82. Leading companies in value chain segments in North Brabant

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016		
15. Raising of poultry	COBB EUROPE B.V.		
36. Raising of animals & farming support activities	COOPERATIE TOPIGS U.A.	HENDRIX GENETICS B.V.	VENCO NEDERLAND B.V.
39. Specialised farming support activities	TOPIGS GROUP B.V.		
40. Business management services	VAN DE VEN BEHEER B.V.		
47. Manufacturing of food products	AGRISTO B.V.		
50. Manufacturing of agro-farming & other machinery & equipment	VENCOMATIC GROUP B.V.		
52. Sewerage, cleaning & waste treatment	BRABANT WATER N.V.		

NL42 - Limburg (NL)

Figure 21. Regional comparative strengths in value chain segments in Limburg (*protected cultivation & perennial trees*)

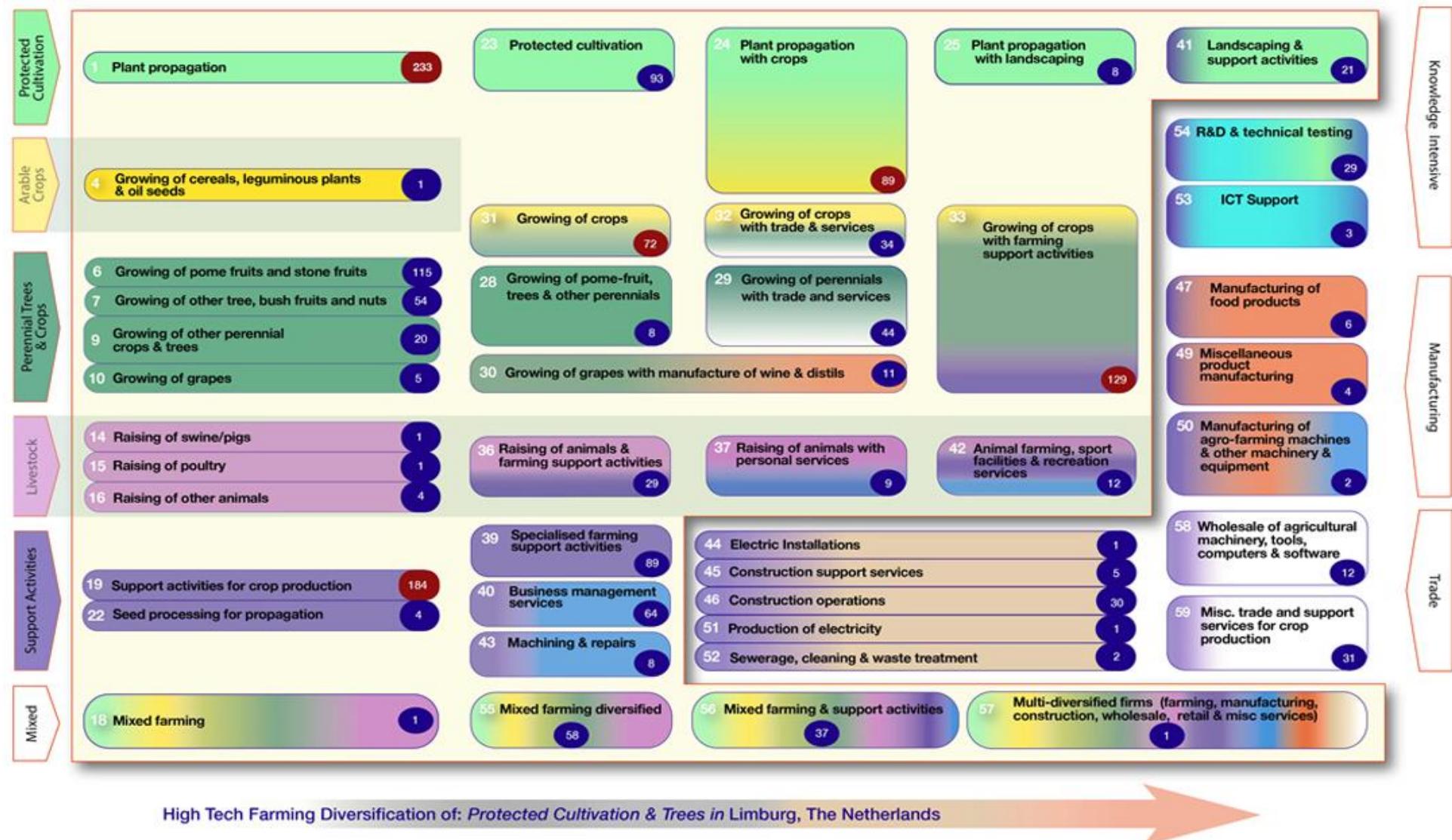


Table 83. Population of farming firms in Limburg

Limburg	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	1,520	45	1,565	560	93	262	605	45	1,565
	97.1%	2.9%	100.0%	35.8%	5.9%	16.7%	38.7%	2.9%	100.0%

Table 84. Regional diversification in Limburg (number of industry codes per firm)

Limburg	Regional diversification							
	1	2	3	4	5	6	Total	Mean
	652	500	369	40	3	1	1,565	2
	41.7%	31.9%	23.6%	2.6%	.2%	.1%	100.0%	

Example: 652 (41.7%) of all firms in the region in the database have only one industry code of activities.

Table 85. Distribution of firms in value chain segments in Limburg

Value Chain Segments	Number of employees				Operating revenue (Turnover)				
	2016	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation		5	2	113	233			0	233
4. Growing of cereals, leguminous plants & oil seeds				0	1			0	1
6. Growing of pome fruits and stone fruits		3	2	80	115			0	115
7. Growing of other tree, bush fruits and nuts		10	2	28	54			0	54
9. Growing of other perennial crops & trees		2	2	2	20			0	20
10. Growing of grapes		1	1	1	5			0	5
14. Raising of swine/pigs		1	1	1	1			0	1
15. Raising of poultry		11	11	1	1			0	1
16. Raising of other animals		2	2	1	4			0	4
18. Mixed farming				0	1			0	1
19. Support activities for crop production		8	4	26	184			0	184
22. Seed processing for propagation		13	13	1	4			0	4
23. Protected cultivation		8	3	32	93			0	93
24. Plant propagation with crops		4	2	31	89			0	89
25. Plant propagation with landscaping		3	3	1	8			0	8
28. Growing of pome fruit, trees & other perennials		2	2	3	8			0	8
29. Growing of perennials with trade and services		2	2	20	44			0	44
30. Growing of grapes with manufacture of wine & distils		2	2	4	11			0	11
31. Growing of crops		5	2	22	72			0	72
32. Growing of crops with trade & services		3	2	11	34			0	34
33. Growing of crops with farming support activities		3	2	54	129			0	129
36. Raising of animals & farming support activities		3	2	14	29			0	29
37. Raising of animals with personal services				0	9			0	9
39. Specialised farming support activities		6	1	23	89			0	89
40. Business management services		12	2	10	64			0	64
41. Landscaping & support activities		3	2	3	21			0	21
42. Animal farming, sport facilities & recreation services		2	2	4	12			0	12
43. Machining & repair				0	8			0	8
44. Electric Installations		1	1	1	1			0	1
45. Construction support services		25	25	2	5			0	5
46. Construction operations		1	1	6	30			0	30
47. Manufacturing of food products		4	4	4	6			0	6
49. Miscellaneous product manufacturing		3	1	3	4			0	4
50. Manufacturing of agro-farming & other machinery & equipment		1	1	1	2			0	2
51. Production of electricity				0	1			0	1
52. Sewerage, cleaning & waste treatment				0	2			0	2
53. ICT support		2	2	1	3			0	3
54. R&D & technical testing		3	1	13	29			0	29
55. Mixed farming diversified		2	2	29	58			0	58
56. Mixed farming & support activities		2	2	9	37			0	37
57. Multi-diversified firms		1	1	1	1			0	1
58. Wholesale of agricultural machinery, tools, computers & software		47	47	2	12			0	12
59. Misc. trade and support services for crop production		2	1	7	31			0	31
Total		5	2	565	1,565			0	1,565

PT16 - Centre Portugal

Figure 22. Regional comparative strengths in value chain segments in Centre Portugal (*protected cultivation, arable crops, perennial trees & livestock*)

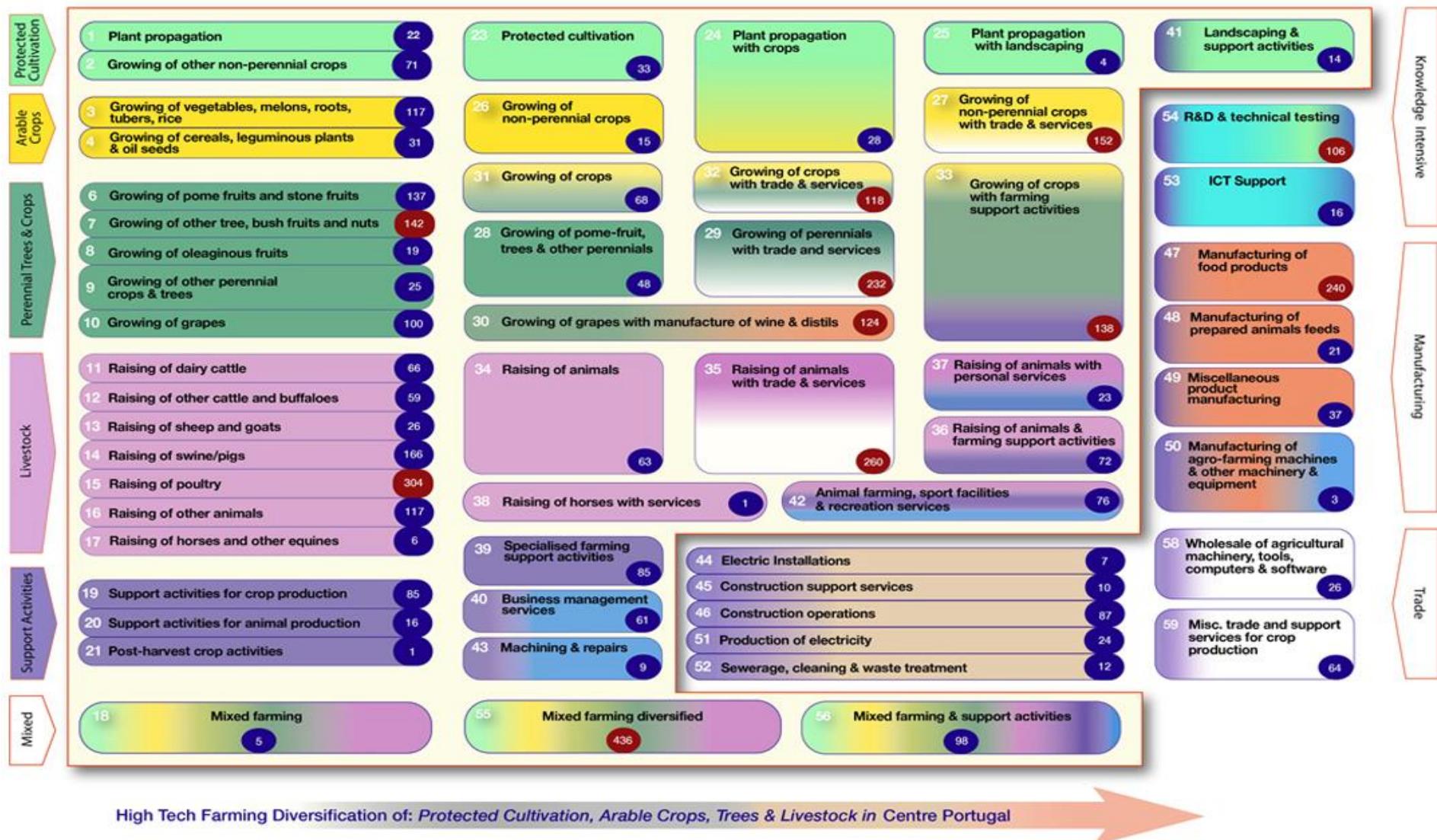


Table 86. Population of farming firms in Centre Portugal

Centre Portugal	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	4,144	182	4,326	2,028	1,266	510	340	182	4,326
	95.8%	4.2%	100.0%	46.9%	29.3%	11.8%	7.9%	4.2%	100.0%

Table 87. Regional diversification in Centre Portugal (number of industry codes per firm)

Centre Portugal	Regional diversification						
	1	2	3	4	5	Total	Mean
	1,599	989	704	973	61	4,326	2
	37.0%	22.9%	16.3%	22.5%	1.4%	100.0%	

Example: 1599 (37.0%) of all firms in the region in the database have only one industry code of activities.

Table 88. Distribution of firms in value chain segments in Centre Portugal

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	6	3	15	22	299	120	14	22
2. Growing of other non-perennial crops	6	2	35	71	187	66	42	71
3. Growing of vegetables, melons, roots, tubers, rice	7	4	107	117	378	172	114	117
4. Growing of cereals, leguminous plants & oil seeds	2	1	24	31	142	80	31	31
6. Growing of pome fruits and stone fruits	5	3	84	137	269	146	88	137
7. Growing of other tree, bush fruits and nuts	3	1	52	142	59	21	64	142
8. Growing of oleaginous fruits	2	2	3	19	34	23	3	19
9. Growing of other perennial crops & trees	3	3	8	25	85	15	13	25
10. Growing of grapes	4	2	51	100	166	71	63	100
11. Raising of dairy cattle	3	2	49	66	277	195	51	66
12. Raising of other cattle and buffaloes	2	2	31	59	301	147	41	59
13. Raising of sheep and goats	2	2	16	26	77	75	17	26
14. Raising of swine/pigs	6	3	96	166	1,097	384	100	166
15. Raising of poultry	4	2	178	304	1,203	86	192	304
16. Raising of other animals	3	2	49	117	173	31	55	117
17. Raising of horses and other equines	2	1	4	6	92	55	5	6
18. Mixed farming	9	4	3	5	4	2	4	5
19. Support activities for crop production	4	3	34	85	217	65	39	85
20. Support activities for animal production	5	1	11	16	463	103	12	16
21. Post-harvest crop activities			0	1			0	1
23. Protected cultivation	7	4	22	33	530	346	23	33
24. Plant propagation with crops	8	2	16	28	373	36	18	28
25. Plant propagation with landscaping	6	7	3	4	183	67	3	4
26. Growing of non-perennial crops	2	2	8	15	197	114	9	15
27. Growing of non-perennial crops with trade & services	7	4	107	152	621	175	121	152
28. Growing of pome fruit, trees & other perennials	4	2	21	48	177	43	30	48
29. Growing of perennials with trade and services	7	2	134	232	607	100	150	232
30. Growing of grapes with manufacture of wine & distils	9	3	73	124	571	102	84	124
31. Growing of crops	3	2	40	68	217	46	42	68
32. Growing of crops with trade & services	6	3	64	118	157	72	63	118
33. Growing of crops with farming support activities	3	2	63	138	142	59	69	138
34. Raising of animals	5	3	33	63	814	145	36	63
35. Rising of animals with trade & services	8	2	145	260	1,088	131	169	260
36. Raising of animals & farming support activities	4	1	37	72	400	56	43	72
37. Raising of animals with personal services	6	4	16	23	89	47	17	23
38. Raising of horses & services			0	1			0	1
39. Specialised farming support activities	4	2	49	85	924	94	51	85
40. Business management services	3	1	35	61	57	14	40	61
41. Landscaping & support activities	4	3	9	14	185	58	9	14
42. Animal farming, sport facilities & recreation services	6	3	42	76	151	54	44	76
43. Machining & repair	16	4	7	9	2,132	67	8	9

44. Electric Installations	9	9	6	7	710	631	6	7
45. Construction support services	3	2	7	10	83	32	8	10
46. Construction operations	6	3	55	87	363	91	62	87
47. Manufacturing of food products	28	2	133	240	4,581	87	147	240
48. Manufacturing of prepared animals feeds	28	16	16	21	6,263	332	17	21
49. Miscellaneous product manufacturing	14	3	28	37	1,201	67	29	37
50. Manufacturing of agro-farming & other machinery & equipment	44	44	2	3	2,822	2822	2	3
51. Production of electricity	24	4	17	24	1,000	81	20	24
52. Sewerage, cleaning & waste treatment	3	2	7	12	38	30	7	12
53. ICT support	2	2	8	16	198	55	10	16
54. R&D & technical testing	4	2	59	106	555	47	78	106
55. Mixed farming diversified	3	2	243	436	281	86	271	436
56. Mixed farming & support activities	3	2	51	98	237	65	60	98
58. Wholesale of agricultural machinery, tools, computers & software	6	3	18	26	932	168	20	26
59. Misc. trade and support services for crop production	8	3	33	64	140	9	36	64
Total	7	2	2457	4,326	762	90	2,750	4,326

Table 89. Leading companies in value chain segments in Centre Portugal

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
1. Plant propagation	ARBORLUSITANIA - PRODUTOR DE PLANTAS ORNAMENTAIS, UNIPESSOAL, LDA	FITOPLANTA - PRODUCAO E COMERCIALIZACAO DE PLANTAS, LDA	POMBALVERDE III - PRODUCAO E COMERCIO DE PLANTAS, LDA	VIVEIROS JAIME & PEDRO, LDA	VIVEIROS JOAQUIM ALMEIDA & BATALHA, LDA
2. Growing of other non-perennial crops	AIERROC - AGRICOLA, LDA	CORES & AROMAS ONLINE FLOWERS, LDA	PLANALTO DAS AGRAS - SOCIEDADE AGRICOLA, LDA	QUINTA DO BOLAO - PRODUCAO E COMERCIALIZACAO DE PRODUTOS HORTOFLORICULAS E VIVEIROS, LDA	VIVEIROS MCOCUEIRO, LDA
3. Growing of vegetables, melons, roots, tubers, rice	BIOFRADE - AGRO-PECUARIA, LDA	HERDEIROS DA TERRA PRODUTOS HORTICOLAS, LDA	HORTICOLAS CASAL DA AVO, LDA	PARQUEHORT - EXPLORACAO AGRICOLA, S.A.	VASCO PINTO & AGOSTINHO SOUSA - PRODUTOS HORTICOLAS E ERVAS AROMATICAS, LDA
4. Growing of cereals, leguminous plants & oil seeds	AGRICOLA E PASTORIL DO ALMONDA, S.A.	AGRO PECUARIA IRMAOS SOARES, LDA	HORIZONTE DO MONDEGO, LDA	HORTOPICA - PRODUCAO E COMERCIO DE PRODUTOS HORTICOLAS, LDA	RUI MECO, UNIPESSOAL, LDA
6. Growing of pome fruits and stone fruits	CASA AGRICOLA RIBEIROS - SOCIEDADE DE AGRICULTURA DE GRUPO, LDA	E. TIMOTEO, LDA	FRUTAS JOAO VERISSIMO MENDES & FILHO, LDA	QUINTA DO PIZAO - SOCIEDADE DE AGRICULTURA DE GRUPO, LDA	SUNFRUIT - SOCIEDADE DE PRODUCAO FRUTICOLA, LDA
7. Growing of other tree, bush fruits and nuts	BIAFRUIT - SOCIEDADE HORTOFRUTICOLA, LDA	ESPLANADA - SOCIEDADE AGRICOLA PRODUCAO E COMERCIO, LDA	KIWIS D'OURO, LDA	MORANGOS - JOSE RODRIGO, UNIPESSOAL, LDA	SOCIEDADE AGRICOLA VALE DE VAZ, LDA
8. Growing of oleaginous fruits	DENDROFRUCTUS, AGRO - SILVO - PECUARIA, UNIPESSOAL, LDA	FLEXART - GESTAO AGRICOLA E REPRESENTACOES, LDA	O & C - OLIVE COMPANY, LDA		
9. Growing of other perennial crops & trees	FFP - FRESH FRESH PORTUGAL, LDA	VIVEIROS AGRICOLAS VICENTES, LDA	VIVEIROS DA QUINTA DOS COMOROS, LDA		
10. Growing of grapes	QUINTA COLINAS DE SAO LOURENCO, LDA	QUINTA DA AROEIRA SAG, LDA	QUINTA DOS TERMOS, LDA	QUINTA VALE D'ALDEIA, S.A.	VIVEIROS VITICOLAS PIERRE BOYER, LDA
11. Raising of dairy cattle	AGRO 2000 - PRODUCAO E COMERCIALIZACAO DE LEITE E CARNE, LDA	AGROJOTAS - SOCIEDADE DE BOVINICULTURA, LDA	GRANJA DO VALADO, LDA	PROMILKER - PECUARIA DE LEITE, UNIPESSOAL, LDA	RESENDE & FILHOS, LDA
12. Raising of other cattle and buffaloes	AGROPECUARIA DE GODEIS, LDA	AMAROS & FILHOS, LDA	MATIAS E DUARTE, LDA	PORTELAGADOS, LDA	RAIZES DO PRADO, LDA
13. Raising of sheep and goats	AGROCULTURA - AGRICULTURA E GESTAO CINEGETICA, UNIPESSOAL, LDA	AREIAQUENTE, LDA	BOLOTA DO SOBREIRO - DESENVOLVIMENTO AGRICOLA SUSTENTAVEL, SOCIEDADE UNIPESSOAL, LDA	RIBEIRO D'AZINHEIRA, SOCIEDADE AGRICOLA, LDA	TENTACAO DAS BEIRAS, UNIPESSOAL, LDA
14. Raising of swine/pigs	MANUEL QUERIDO - PRODUCAO E	PORVAL - AGROPECUARIA, S.A.	PROMORPEC - AGRO-PECUARIA, LDA	QUERIDO, TINTA, SILVA & VICENTE, LDA	SUIPEC - AGRO PECUARIA, LDA

	COMERCIO DE SUINOS, LDA				
15. Raising of poultry	CAMPO ABERTO - SOCIEDADE DE AVICULTURA, LDA	HIPERFRANGO - PRODUCAO AVICOLA, LDA	PERUGAL - PRODUCAO AVICOLA, LDA	PRO-GALO - PRODUCAO E COMERCIALIZACAO AVICOLA, LDA	SERRA & SILVA, LDA
16. Raising of other animals	CORTAGRI - CORTEGACA AGRICOLA, LDA	CUNILEX, LDA	CUNIRRAIA - CUNICULTURA DA RAIA, LDA	QUINTA DA BORRALHA - PRODUCAO E COMERCIO DE PRODUTOS AGRO-PECUARIOS, S.A.	SELECTAVES - SELECCAO E ENGORDA DE AVES, LDA
17. Raising of horses and other equines	AGROBAIXA - AGRO-PECUARIA DA BEIRA BAIXA, LDA	EVIDENCE WAYS - ACTIVIDADES EQUESTRES, LDA	FUMEIRO DO LAVRADOR, LDA	MARGENS E ATALHOS - ACTIVIDADES EQUESTRES, LDA	SOCIEDADE AGRO-PECUARIA DO CARDAL, LDA
18. Mixed farming	BEIRAGADO, LDA	INTERSUINOS - SUINOS DE PORTUGAL, S.A.	MUNDISUINOS - SOCIEDADE AGRO-PECUARIA, LDA	NUNO CORREIA - SOCIEDADE AGRO-PECUARIA, LDA	
19. Support activities for crop production	BIOCOPPOST - COMPOSTOS ORGANICOS, LDA	FREIXIALVITIS, LDA	J.& AMADO, LDA	LANDVENERATION - PROJECTOS AGRO INDUSTRIALIS, LDA	M.DUARTE & FILHOS, LDA
20. Support activities for animal production	ANTONIO HENRIQUE P. L. FONSECA LDA	FRANCISCO VIGAIO, UNIPESSOAL, LDA	LUSOGENES - SOCIEDADE DE PRODUCAO E COMERCIALIZACAO DE MATERIAL GENETICO, LDA	PROTEINA ELEGANTE - PRODUCAO AVICOLA, LDA	SUPERFRANGO II, UNIPESSOAL, LDA
23. Protected cultivation	MUNDIALVITIS, UNIPESSOAL, LDA	PLANTULA - PROPAGACAO VEGETAL, LDA	POMBALVERDE - PRODUCAO E COMERCIALIZACAO DE PLANTAS, LDA	PRODUVITIS, UNIPESSOAL, LDA	VIVEIROS VITIOESTE DE HORTO POENSE, SOCIEDADE AGRICOLA, S.A.
24. Plant propagation with crops	GERMIPLANTA - VIVEIROS DE PLANTAS, LDA	MULTIVITIS, LDA	POMARMAIOR, UNIPESSOAL, LDA	VITISCAMPO, UNIPESSOAL, LDA	VIVEIROS PLANTINOVA, S.A.
25. Plant propagation with landscaping	CRYSTAL CLEAN - SERVICOS DE LIMPEZA, UNIPESSOAL, LDA	JARDINS DO OCIDENTE - CONSTRUCAO E MANUTENCAO DE ESPACOS VERDES, UNIPESSOAL, LDA	JOSE VALTER, LDA		
26. Growing of non-perennial crops	ALENTORRES - SOCIEDADE AGRICOLA, LDA	HORTO-FLORICOLA DE SANTO ANTÃO, LDA	LUIS MAURICIO, UNIPESSOAL, LDA	SOCIEDADE DE AGRICULTURA DE GRUPO DO VALONGO, LDA	TURMINHA VERDE, UNIPESSOAL, LDA
27. Growing of non-perennial crops with trade & services	CARMO & SILVERIO, S.A.	JOANIFRUT, LDA	O MELRO.OP, S.A.	PLANTIGROUP, LDA	PRIMORES DO OESTE, S.A.
28. Growing of pome fruit, trees & other perennials	CERCA DA RIBEIRA, LDA	MARAVILHAS SOLTAS, LDA	MASILFRUTAS - S.A.G., LDA	SOCIEDADE AGRICOLA TRINDADE E FILHOS , LDA	SOCIEDADE DE AGRICULTURA DE GRUPO DA QUINTA NOVA DE S.LOURENCO, LDA
29. Growing of perennials with trade and services	ANTONIO AURELIO DOS SANTOS & FILHOS, LDA	BEIRABAGA - SOCIEDADE DE PRODUCAO E COMERCIALIZACAO DE PEQUENOS FRUTOS, LDA	FERREIRA DA SILVA - IMPORTACAO E EXPORTACAO, S.A.	FMB - FRUTAS E HORTICOLAS DO BARRIO, LDA	VIDIGAL WINES, S.A.
30. Growing of grapes with manufacture of wine & distils	BULLTRADE, LDA	QUINTA DO GRADIL - SOCIEDADE VITIVINICOLA, S.A.	ROCIM - AGROINDUSTRIA, LDA	SANTOS & SANTOS - COMPANHIA DE VINHOS, S.A.	SOCIEDADE AGRICOLA QUINTA DO CONDE, S.A.
31. Growing of crops	AUGUSTO VITAL, UNIPESSOAL, LDA	FRUTAS VAL ROMAO, LDA	HORTOANDRES - COMERCIO PRODUTOS AGRICOLAS, LDA	LUSITERRA, LDA	ZIMBRALECRIM, LDA
32. Growing of crops with trade & services	CISTERFRUTA - PRODUCAO E COMERCIO DE FRUTAS, LDA	FLOMAQ - ALUGUER DE MAQUINAS, LDA	RESPOSTA FRESCA - PRODUCAO DE PEQUENOS FRUTOS, UNIPESSOAL, LDA	VIVEIROS PLANCERT, LDA	VIVEIROS PLANSEL - PLANTAS SELLECCIONADAS, LDA
33. Growing of crops with farming support activities	AGROPARREIRA - SOCIEDADE DE AGRICULTURA DE GRUPO, LDA	ARGEAOLEA - SOCIEDADE AGRICOLA, LDA	JOAO PAULO DA ROCHA MARTINS, UNIPESSOAL, LDA	MIGUEL VAZ, UNIPESSOAL, LDA	QUINTA DO CELAO, UNIPESSOAL, LDA
34. Raising of animals	AGROPEFE - AGRO PECUARIA FERREIRENSE, S.A.	QUATRO VENTOS - SOCIEDADE AGRO-PECUARIA, S.A.	QUINTA DO VALE JUNCO - SOCIEDADE AGRO-PECUARIA, LDA	SOACORVO - SOCIEDADE DE AGRICULTURA DE GRUPO AGRO-PECUARIA DO CORGO, LDA	SOCIEDADE AGRO-PECUARIA DE VALE LAGARES, LDA
35. Raising of animals with trade & services	CRIGADO - SOCIEDADE AGRO-PECUARIA, S.A.	MANUEL RODRIGUES FERREIRA & VENDA, LDA	OVO D'OURO - PRODUCAO E COMERCIO DE OVOS, LDA	SOCIEDADE AGRICOLA DA QUINTA DA FREIRIA, S.A.	SUINIMOURA - AGRO-PECUARIA, LDA
36. Raising of animals & farming support activities	APP -AGRUPAMENTO DE PRODUTORES PECUARIOS, S.A.	BITOLA FRESCA, UNIPESSOAL, LDA	OVOS DO CARAMULO, LDA	SOCIEDADE AGRICOLA AGRIESPINHELENSE, LDA	TRANSFIALENSE, S.A.
37. Raising of animals with personal services	ALVARO HERDADE-SERVICOS MEDICOS, LDA	CARLOS & PEDRO MACHADO GOMES, LDA	CELSINO SOARES, UNIPESSOAL, LDA	M.CUNHA, UNIPESSOAL, LDA	QUINTA DA BICHARADA - CRIACAO DE ANIMAIS DE COMPANHIA, LDA
39. Specialised farming support activities	AGROMAIS - ENTREPOSTO COMERCIAL AGRICOLA, C.R.L.	FLORA LUSITANA, LDA	GOLD PET - COMERCIO DE PRODUTOS PARA ANIMAIS, LDA	JOSE FRANCISCO ALFAIA & FILHOS, LDA	TEOFRUTAS - COMERCIO DE FRUTAS, SOCIEDADE UNIPESSOAL, LDA

40. Business management services	CARLOS A.M.SANTOS, LDA	GRUPO VALOURO - S.G.P.S., S.A.	JANELAS DO PLANALTO, UNIPESSOAL, LDA	RURALMARK - PLANEAMENTO E GESTAO DE RECURSOS NATURAIS, LDA	TACHOROSETE - CENTRO TECNICO DE DADOS TACOGRAFICOS E FORMACAO, UNIPESSOAL, LDA
41. Landscaping & support activities	CANTO VERDE - JARDINS E ESPACOS VERDES, UNIPESSOAL, LDA	GEOFRAGARIA, UNIPESSOAL, LDA	GROWING SEEDS, LDA	HILARIANTOASIS, LDA	VERDENA - CONSTRUCAO E MANUTENCAO ESPACOS VERDES, LDA
42. Animal farming, sport facilities & recreation services	CARBONO 21, LDA	HL - HOTELARIA E TURISMO, LDA	MARIALVAMED - TURISMO HISTORICO E LAZER, LDA	QUINTA DO MONTE GRANDE, LDA	SANDRA FAUSTINO, UNIPESSOAL, LDA
43. Machining & repair	CAMPOESTE, S.A.	IBASI - CONSTRUCOES METALICAS, UNIPESSOAL, LDA	METALICERCOSA, UNIPESSOAL, LDA	METALISCA - CONSTRUCOES METALICAS, LDA	MIRTILOVOUGA, UNIPESSOAL, LDA
44. Electric Installations	ALVAQUECE - UNIPESSOAL, LDA	AQUECIDAIRE - SERVICOS TECNICOS, LDA	BREVE CIRCUITO - MONTAGENS ELECTRICAS, LDA	HIDROWATER - BOMBAGEM E TRATAMENTO DE AGUA, UNIPESSOAL, LDA	HOMAR, LDA
45. Construction support services	CARFEMA - SOCIEDADE TECNICA DE MARMORES E GRANITOS, LDA	ELECTROLISE - AGUA, GAS E ELECTRICIDADE, LDA	ISOLIS - ISOLAMENTOS DO LIS, LDA	MAVESTUFA - CONSTRUCAO E REPARACAO DE ESTUFAS E VEDACOES, LDA	SACARRAO & ALMEIDA, LDA
46. Construction operations	ELISEU & FILHOS, LDA	PEDRO ROMAO, SOCIEDADE UNIPESSOAL, LDA	PINHAL ATLANTICO GOLF - EMPREENDIMENTOS TURISTICOS, S.A.	SUINIMAIIS, LDA	VALENTE & CARREIRA - CONSTRUCAO CIVIL, LDA
47. Manufacturing of food products	AVISABOR - INDUSTRIA AGRO-ALIMENTAR, S.A.	CAMPOAVES - AVES DO CAMPO, S.A.	LUSIAVES - INDUSTRIA E COMERCIO AGRO-ALIMENTAR, S.A.	SAVIBEL - SOCIEDADE AVICOLA, S.A.	TRIPERU - SOCIEDADE DE PRODUCAO E COMERCIALIZACAO DE AVES, S.A.
48. Manufacturing of prepared animals feeds	COMPOSTOS LIZ - ALIMENTOS COMPOSTOS PARA ANIMAIS, LDA	LACTICOOP - UNIAO DAS COOPERATIVAS DE PRODUTORES DE LEITE DE ENTRE DOURO E MONDEGO, U.C.R.L.	LEAL & SOARES, S.A.	OVOPOR - AGRO-PECUARIA DOS MILAGRES, S.A.	PECUARIAS DE MONTEJUNTO, LDA
49. Miscellaneous product manufacturing	BLOCOZEZERE - FABRICA DE BLOCOS DE CIMENTO, LDA	J.PRIOR - FABRICA DE PLASTICOS, LDA	PAURUI - MADEIRAS E LENHAS, LDA	PREVICON - PRE-ESFORCADOS, S.A.	PRILUX - COMERCIO, CONSTRUCAO E OBRAS PUBLICAS, LDA
50. Manufacturing of agro-farming & other machinery & equipment	HHO PLUS, LDA	LOURITEX - SOCIEDADE AGRO-CONSTRUTORA DE ALFAIAS AGRICOLAS DO CARVALHEIRO, LDA			
51. Production of electricity	CARNES SIMOES, LDA	HORTIPOR - EXPORT, LDA	HORTOFIGUEIRAS - PRODUTOS HORTICOLAS, LDA	J.RAMA - PRODUCAO E COMERCIO DE OVOS, LDA	VALMARQUES - SOCIEDADE AGRICOLA E PECUARIA, LDA
52. Sewerage, cleaning & waste treatment	AMBILIS - RECOLHA E TRATAMENTO DE RESIDUOS, S.A.	CHIT - INSTALACOES TECNICAS, LDA	FLUITEL, UNIPESSOAL, LDA	H2OLIS, LDA	SILVIDANHA - PRODUTOS E SERVICOS AMBIENTAIS, LDA
53. ICT support	CASA DO PACO DE BORDONHOS - ORGANIZACAO DE EVENTOS, LDA	FORINOVIA, CONSULTORIA E FORMACAO, LDA	NUTRIMONDEGO, LDA	PROCHOICE, LDA	TECNO & ITSOFT - SERVICES, LDA
54. R&D & technical testing	BERNARDINO DE ALMEIDA E COSTA & FILHOS, S.A.	CAMPOTEC IN - CONSERVACAO E TRANSFORMACAO DE HORTOFRUTICOLAS, S.A.	CONSTRUCAO CIVIL E MATERIAIS DE CONSTRUCAO DE ANTONIO FERNANDES & FERNANDES, S.A.	QUALIDAR - ENGENHARIA DO AMBIENTE, UNIPESSOAL, LDA	TECIPLANTE - VIVEIROS DE PLANTAS, LDA
55. Mixed farming diversified	AVIARIO DO MARMELEIRO, LDA	AVIPECUARIA DO PENEDO, LDA	BELTRI - SOCIEDADE AVICOLA, LDA	BENTOS - INDUSTRIA DE MARMORES, LDA	PERDICAMPO - PRODUCAO E COMERCIALIZACAO DE AVES DE CACA, LDA
56. Mixed farming & support activities	EDUARDO MIGUEL TOMAS MENDES - AGRO-PECUARIA, UNIPESSOAL, LDA	MONICA & FILHOS - EXPLORACAO FLORESTAL, LDA	SOCIEDADE AGRO-PECUARIA DA QUINTA DA POLA, LDA	TONDELGADO - COMERCIO DE GADO E DEDRIVADOS, UNIPESSOAL, LDA	VILAROVO - AVICULTURA, LDA
58. Wholesale of agricultural machinery, tools, computers & software	AGROFARIA, LDA	CASA QUERIDOS - PRODUTOS PARA A AGRICULTURA, LDA	FRIGARRUDA - TRANSPORTES, UNIPESSOAL,LDA	MAQUIFETAL - COMERCIO DE MAQUINAS, UNIPESSOAL, LDA	VINOMATOS, LDA
59. Misc. trade and support services for crop production	ARTUR MATOS MACHADO & FILHO, LDA	ARTUR VASQUES, LDA	FERNANDO MANCO, LDA	REAL ESTATE MEDIO TEJO, UNIPESSOAL, LDA	REGAOESTE - REGAS E PRODUTOS PARA A AGRICULTURA, LDA

RO21 - North East Romania

Figure 23. Regional comparative strengths in value chain segments in North East Romania (*arable crops & perennial trees*)

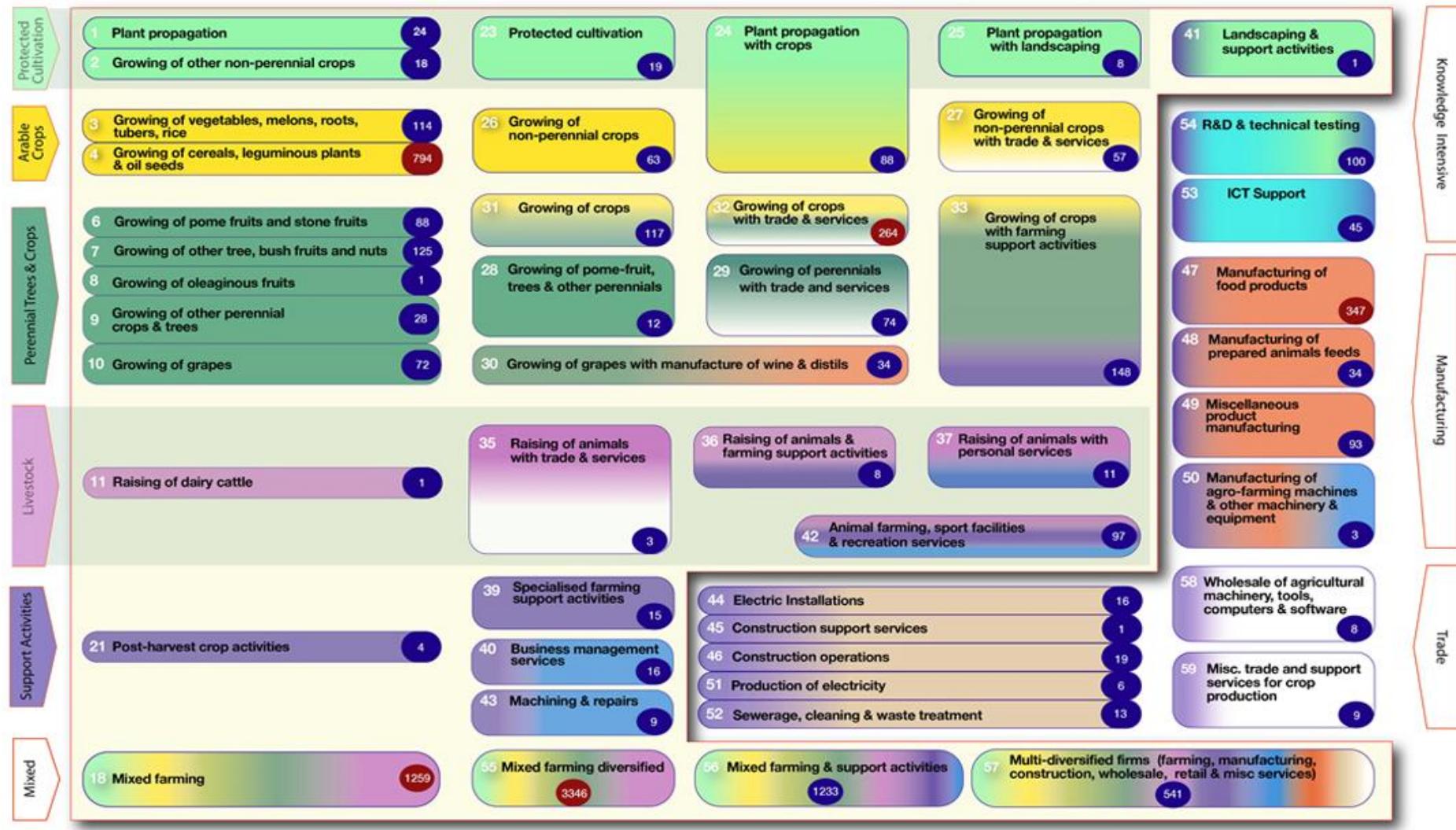


Table 90. Population of farming firms in North East Romania

North East Romania	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	9,336	50	9,386	8,627	275	152	282	50	9,386
	99.5%	.5%	100.0%	91.9%	2.9%	1.6%	3.0%	.5%	100.0%

Table 91. Regional diversification in North East Romania (number of industry codes per firm)

North East Romania	Regional diversification											
	1	2	3	4	5	6	7	8	9	10+	Total	Mean
	2,564	467	651	709	929	636	568	492	487	1,883	9,386	6
	27.3%	5.0%	6.9%	7.6%	9.9%	6.8%	6.1%	5.2%	5.2%	20.1%	100.0%	

Example: 2564 (27.3%) of all firms in the region in the database have only one industry code of activities.

Table 92. Distribution of firms in value chain segments in North East Romania

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
1. Plant propagation	2	1	13	24	57	21	13	24
2. Growing of other non-perennial crops	2	2	13	18	37	34	13	18
3. Growing of vegetables, melons, roots, tubers, rice	3	0	111	114	121	11	111	114
4. Growing of cereals, leguminous plants & oil seeds	6	2	789	794	586	143	789	794
6. Growing of pome fruits and stone fruits	3	2	51	88	133	59	51	88
7. Growing of other tree, bush fruits and nuts	1	0	61	125	31	5	61	125
8. Growing of oleaginous fruits	2	2	1	1	32	32	1	1
9. Growing of other perennial crops & trees	1	1	12	28	18	11	12	28
10. Growing of grapes	27	4	21	72	2237	88	21	72
11. Raising of dairy cattle	15	15	1	1	1	1	1	1
18. Mixed farming	6	1	250	1,259	510	33	250	1259
21. Post-harvest crop activities	1	1	2	4	13	13	2	4
23. Protected cultivation			0	19			0	19
24. Plant propagation with crops	0	0	1	88	0	0	1	88
25. Plant propagation with landscaping	1	1	1	8	5	5	1	8
26. Growing of non-perennial crops			0	63			0	63
27. Growing of non-perennial crops with trade & services	1	0	6	57	23	13	6	57
28. Growing of pome fruit, trees & other perennials	0	0	1	12	0	0	1	12
29. Growing of perennials with trade and services	1	1	2	74	21	21	2	74
30. Growing of grapes with manufacture of wine & distils	7	7	1	34	482	482	1	34
31. Growing of crops			0	117			0	117
32. Growing of crops with trade & services	2	1	11	264	63	12	11	264
33. Growing of crops with farming support activities	0	0	8	148	17	10	8	148
35. Raising of animals with trade & services	0	0	1	3	1	1	1	3
36. Raising of animals & farming support activities	1	0	3	8	7	0	3	8
37. Raising of animals with personal services	0	0	2	11	2	2	2	11
39. Specialised farming support activities	7	7	2	15	246	246	2	15
40. Business management services	21	4	5	16	3	,2	5	16
41. Landscaping & support activities			0	1			0	1
42. Animal farming, sport facilities & recreation services	1	0	5	97	16	15	5	97
43. Machining & repair	20	20	2	9	8	8	2	9
44. Electric Installations	0	0	1	16	0	0	1	16
45. Construction support services			0	1			0	1
46. Construction operations	2	2	2	19	12	12	2	19
47. Manufacturing of food products	14	0	46	347	78	3	46	347
48. Manufacturing of prepared animals feeds			0	34			0	34
49. Miscellaneous product manufacturing	8	0	12	93	26	2	12	93
50. Manufacturing of agro-farming & other machinery & equipment	0	0	2	3	0	0	2	3
51. Production of electricity	3	2	3	6	9	2	3	6

52. Sewerage, cleaning & waste treatment	0	0	1	13	0	0	1	13
53. ICT support	13	3	10	45	103	20	10	45
54. R&D & technical testing	4	1	19	100	50	10	19	100
55. Mixed farming diversified	1	0	22	3,346	37	17	22	3,346
56. Mixed farming & support activities	2	1	11	1,233	105	30	11	1,233
57. Multi-diversified firms	2	1	97	541	101	11	97	541
58. Wholesale of agricultural machinery, tools, computers & software	0	0	2	8	28	28	2	8
59. Misc. trade and support services for crop production	,3	0	7	9	,2	,2	7	9
Total	5	1	1,611	9,386	422	57	1,611	9,386

Table 93. Leading companies in value chain segments in North East Romania

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
1. Plant propagation	ADONIS SRL	EURO-MOBILE-HORTING SRL	HORTIART SRL	OLMA SRL	PERFECT GRUP SRL
2. Growing of other non-perennial crops	AGRO GEOSEM S.R.L.	EURO PLEUROTUS SRL	MAYO GARDEN SRL	PRONTO EDIL SRL	VAGEALYO SRL
3. Growing of vegetables, melons, roots, tubers, rice	AGRICOLA FRUGAL SRL	AGRODIM CHIRIAC SRL	COOPERATIVA AGRICOLA MOLDAVIA	FERMA NORDIC SRL	M & R SRL
4. Growing of cereals, leguminous plants & oil seeds	AGRICOLA 96 SA TIGANASI	COMCEREAL SA	ENACHE-MORARIT SRL	PLANTAGRO-COM SRL	SEMCONSULT TOP SRL
6. Growing of pome fruits and stone fruits	HORTIFRUCT SRL	LUC'S IMPEX SRL	MARUL DE AUR SRL	MULTIPRIOR SRL	NOVA DACIA SA
7. Growing of other tree, bush fruits and nuts	BENESTI SA	CONAC POLIZU MAXUT SRL	ECO CATENA SRL	MARUL ARGINTIU SRL	TRANS ADI SRL
8. Growing of oleaginous fruits	IONAKIS SRL				
9. Growing of other perennial crops & trees	BIO AGRO FERM SRL	ECO RIVIERE TOTAL SRL	GREEN LAND SRL	SERASEI FLOR SRL	TEHNO-TOP SRL
10. Growing of grapes	AGROINDUSTRIALA BUCIUM SA	COTNARI SA	DISTIVIN SRL	DOMENIILE VITICOLE HUSI SRL	VINICOLA AVERESTI 2000 SA
11. Raising of dairy cattle	AGRO MOLD SRL				
18. Mixed farming	AGRI PE SRL	AGROCOMPLEX LUNCA PASCANI SA	AGROSUIND COM SRL	AICBAC SA	INTERAGROALIMENT SRL
21. Post-harvest crop activities	ENERGY STEAL SRL				
25. Plant propagation with landscaping	IRIS GARDEN S.R.L.				
27. Growing of non-perennial crops with trade & services	AGROTINA SUITE SRL	BIOBROTLAND SRL	DIESEL TRUCKS & TRAILERS SRL	GARDENPLAZ SRL	POROSNICU ELENA SRL
29. Growing of perennials with trade and services	FABI JUNIOR SERVICE S.R.L.	RINAFIN SRL			
30. Growing of grapes with manufacture of wine & distils	FENIX COM SRL				
32. Growing of crops with trade & services	AGROZAP-ANGEL SRL	BNK OPTIMUM CLIMA SRL	DOR-ELA COMPANY SRL	FLORICRIS TAX SRL	STREBARO SRL
33. Growing of crops with farming support activities	GRUP IRI FARM SRL	NICOL INTERNATIONAL SRL	RSUMANARIU SRL	TATAIA SRL	VIP-PD SRL
35. Raising of animals with trade & services	TAZ GRUP NEAMT SRL				
36. Raising of animals & farming support activities	MEDIVET SRL				
37. Raising of animals with personal services	LUC-MAR TRANS SRL				
39. Specialised farming support activities	EITEL-RAM S.R.L.	EXPERT 3D SRL			
40. Business management services	BMG EUROEXPERT SRL	FIAT PANIS SRL	FOTBAL S.R.L.	MARSAT SA	RURAL MOLDOVA S.R.L.
42. Animal farming, sport facilities & recreation services	BESTAR TURISM SRL	COSADA PENS SRL	D & V TURISM SRL	LOMACOTOR IMPEX SRL	SEI SAGE SRL
43. Machining & repair	ALFA BVG SRL	TRIDEX SERVICE SRL			
46. Construction operations	COMPREST SA	MISCAREA SRL			
47. Manufacturing of food products	AGROMEC TRUSESTI SRL	ALODIUM SRL	AUSTRIA JUICE ROMANIA SRL	COOPERATIVA AGRICOLA BIO ALPIN	E.N.C.-TIT SRL
49. Miscellaneous product manufacturing	AMBA LUCLIN SRL	AQUA E SAPONE.I.C. SRL	INGRID CONSULT SRL	MAGOMEX S.R.L.	PITICONF SRL

51. Production of electricity	ENERGOBRICHET SRL	TEB PROJECT ONE SRL			
53. ICT support	DEXBIT SRL	NICVITIB SRL	POWER ECO COMPUTERS SRL	TEOMI BET SRL	ZDRAVAN SRL
54. R&D & technical testing	ACVARES SRL	ASIMPTOTIC SRL	GETTEX CONSULTING SRL	NOYER SRL	ROSALIA FLOWERS SRL
55. Mixed farming diversified	CORDAN INTERNATIONAL CONSULTING SRL	DOMENIILE COMANITA SRL	NORD IMPERIA S.R.L.	SASIC IMPEX S.R.L.	SOCOL & CO NICO SRL
56. Mixed farming & support activities	AGRO HELESTENI SRL	AGROTEHNICA ELY DOR SRL	FLORA ANDRY-COM SRL	GEANIFARM SRL	PLUM-COM SRL
57. Multi-diversified firms	AGRIANGEL SRL	AGROMEC SULITA SA	EUSEB SRL	GEOBYFARM SRL	GRUP PRODUCATORI SIRETU SRL
58. Wholesale of agricultural machinery, tools, computers & software	ALDAHRA SRL				
59. Misc. trade and support services for crop production	AGRODAVA NEMTEANA COOPERATIVA AGRICOLA	AGROMOLD GRUP SRL	COOPERATIVA AGRICOLA SASE SPICE	GRUP DE PRODUCATORI CEREALE "LUNCA PRUT" SRL	ITROM TRADE COOPERATIVA AGRICOLA

SE12 - East Sweden

Figure 24. Regional comparative strengths in value chain segments in East Sweden (*arable crops & livestock*)

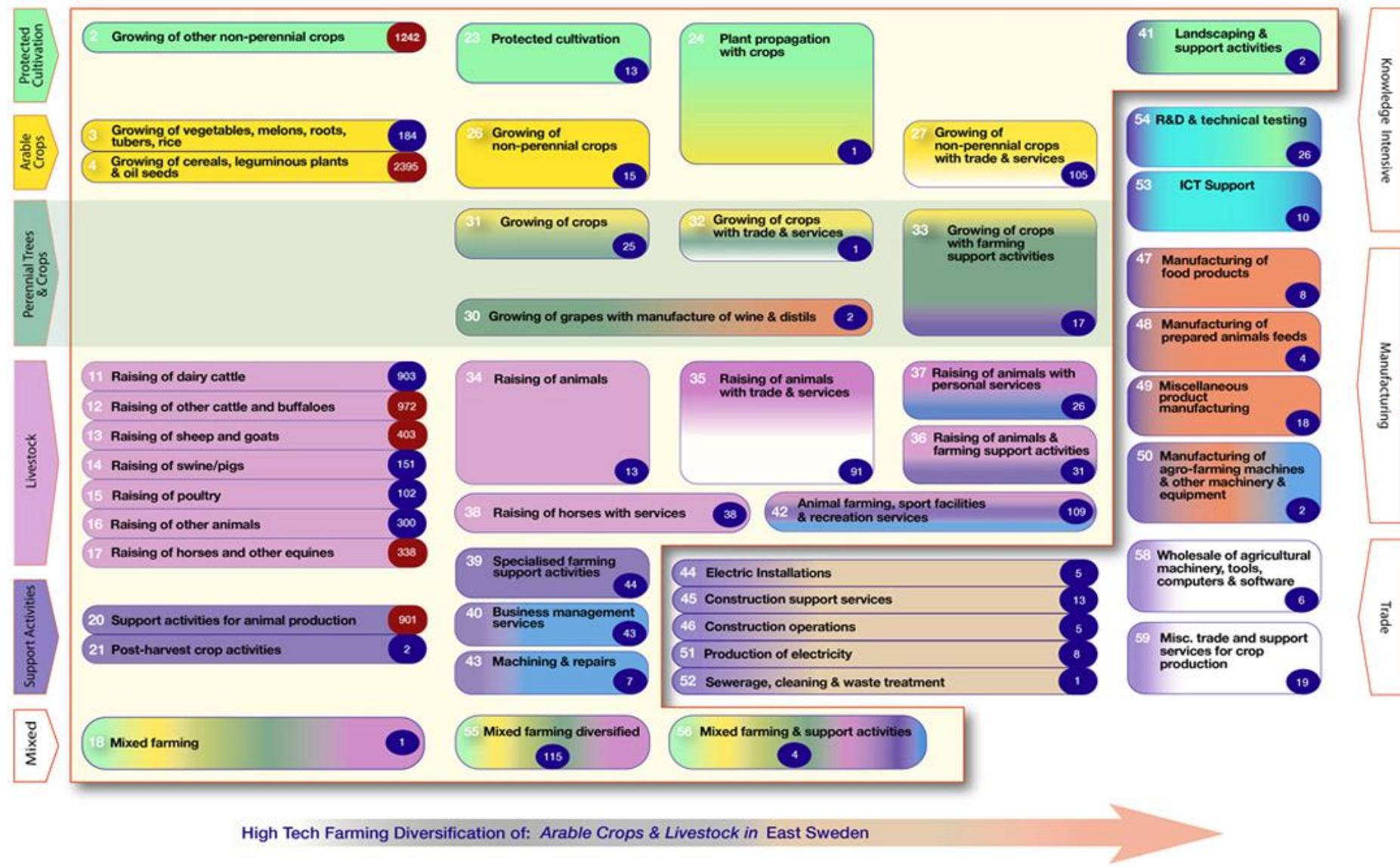


Table 94. Population of farming firms in East Sweden

East Sweden	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	8680	41	8721	5157	1579	1464	480	41	8721
	99.5%	.5%	100.0%	59.1%	18.1%	16.8%	5.5%	.5%	100.0%

Table 95. Regional diversification in East Sweden (number of industry codes per firm)

East Sweden	Regional diversification				
	1	2	3	Total	Mean
	7919	801	1	8721	1
	90.8%	9.2%	.0%	100.0%	

Example: 7919 (90.8%) of all firms in the region in the database have only one industry code of activities.

Table 96. Distribution of firms in value chain segments in East Sweden

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
2. Growing of other non-perennial crops		0	986	1242	71	16	970	1242
3. Growing of vegetables, melons, roots, tubers, rice	1	0	183	184	202	44	184	184
4. Growing of cereals, leguminous plants & oil seeds		0	2,380	2,395	114	42	2,395	2,395
11. Raising of dairy cattle	1	0	814	903	239	97	768	903
12. Raising of other cattle and buffaloes		0	824	972	95	26	801	972
13. Raising of sheep and goats		0	312	403	26	8	289	403
14. Raising of swine/pigs	1	0	132	151	577	237	126	151
15. Raising of poultry	3	0	91	102	2,416	348	86	102
16. Raising of other animals		0	218	300	21	8	199	300
17. Raising of horses and other equines		0	252	338	44	8	241	338
18. Mixed farming		0	1	1	1	1	1	1
20. Support activities for animal production		0	663	901	42	26	573	901
21. Post-harvest crop activities	0	0	2	2	3	3	1	2
23. Protected cultivation	43	2	11	13	12,555	263	11	13
24. Plant propagation with crops	8	8	1	1	512	512	1	1
26. Growing of non-perennial crops	3	3	13	15	582	190	15	15
27. Growing of non-perennial crops with trade & services	6	2	103	105	1,136	236	100	105
30. Growing of grapes with manufacture of wine & distils	2	2	2	2	501	501	2	2
31. Growing of crops	2	1	25	25	472	181	25	25
32. Growing of crops with trade & services	5	5	1	1	1	1	1	1
33. Growing of crops with farming support activities	2	1	17	17	402	225	16	17
34. Raising of animals	2	0	12	13	807	3	11	13
35. Raising of animals with trade & services	3	1	80	91	475	85	80	91
36. Raising of animals & farming support activities	1	1	30	31	285	86	26	31
37. Raising of animals with personal services	4	2	25	26	318	134	22	26
38. Raising of horses & services	2	1	32	38	230	33	36	38
39. Specialised farming support activities	1	0	37	44	92	42	36	44
40. Business management services	1	1	33	43	161	42	39	43
41. Landscaping & support activities	2	2	2	2	16	16	1	2
42. Animal farming, sport facilities & recreation services	1	0	75	109	90	16	88	109
43. Machining & repair	2	2	6	7	218	89	7	7
44. Electric Installations	1	1	5	5	110	118	4	5
45. Construction support services	2	2	10	13	461	290	11	13
46. Construction operations	1	1	3	5	115	67	4	5
47. Manufacturing of food products	7	3	7	8	645	402	8	8
48. Manufacturing of prepared animals feeds	5	5	4	4	2,127	2,211	4	4
49. Miscellaneous product manufacturing	1	0	16	18	139	76	18	18
50. Manufacturing of agro-farming & other machinery & equipment	1	1	2	2	31	31	2	2
51. Production of electricity	2	2	7	8	528	302	8	8
52. Sewerage, cleaning & waste treatment	36	36	1	1	21,891	21,891	1	1

53. ICT support	1	0	9	10	69	17	9	10
54. R&D & technical testing	1	1	24	26	179	87	24	26
55. Mixed farming diversified	3	1	104	115	840	340	99	115
56. Mixed farming & support activities	4	1	4	4	253	167	4	4
58. Wholesale of agricultural machinery, tools, computers & software	11	4	6	6	4,948	943	6	6
59. Misc. trade and support services for crop production	4	1	16	19	59	6	15	19
Total	1	0	7,580	8,721	204	42	7,368	8,721

Table 97. Leading companies in value chain segments in East Sweden

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
2. Growing of other non-perennial crops	ERICSSBERGS FIDEIKOMMISS AKTIEBOLAG	GUSTAFSLUNDS HANDELSTRADGAARD AKTIEBOLAG	GUSTAFSSON, ROLF AXEL MIKAEL	INGVALDSTORPS TRADGAARDSODLING	INGVAR GUSTAVSSONS MASKINSTATION
3. Growing of vegetables, melons, roots, tubers, rice	BOSSGAARD POTATIS AKTIEBOLAG	HAGBERG, HAAKAN BERTIL	MARGRETELUND LANTBRUK AKTIEBOLAG	SJOLINDERS LANTBRUK AB	STUBBETORP POTATIS AB
4. Growing of cereals, leguminous plants & oil seeds	BILLBACKS PLANTSKOOLA AKTIEBOLAG	HATTORPS GAARD AKTIEBOLAG	MARK & MASKIN GLOMSTA GAARD AKTIEBOLAG	NYGAARD 1:4 AB	TORSVIBY LANTBRUKS AKTIEBOLAG
11. Raising of dairy cattle	BOSGAARD LANTBRUKS AKTIEBOLAG	EKSTROM, LARS BERT LENNART	GORANSSON, OLA	STUREFORS GODSFORVALTNING AKTIEBOLAG	SVEJO LANTBRUKS AB
12. Raising of other cattle and buffaloes	BIRGERSSON, ANDERS CARL	BIVA AKTIEBOLAG	FRANZEN, KENNETH	KARLSSON, ARNE	ZENKER, ROLF WALTHER
13. Raising of sheep and goats	DRAKENBERG, NILS BERTIL NILSSON	JOHANSSON, ULF MATS FREDRIK	KENT DANDEMAR FARSKVAROR, VAROR MED KVALITET	MELEN, ING-MARIE BIRGITTA	OLSSON, ANDERS
14. Raising of swine/pigs	DJURPRODUKTION I AASBERGA AB	HAGEBY LANTBRUK AKTIEBOLAG	MAANS ROCKLER AKTIEBOLAG	SNESTA GAARD AKTIEBOLAG	SPAANGBODA LANTBRUK AKTIEBOLAG
15. Raising of poultry	FRACKSTAD LANTBRUAKTIEBOLAG	KG:S AGG AB	NARKESBERG HONSERI AKTIEBOLAG	ROSANGS LANTBRUK AKTIEBOLAG	SWEDFARM AB
16. Raising of other animals	LANTZ, HAAKAN	OLOFSSON, MONICA	PERDIX	UPPLANDS HONUNG	VARLA-KIOSKEN K.AA. LONNBERG
17. Raising of horses and other equines	E.G. HASTCENTER	HINGSTDEPAAN I OSTERSGOTLAND AKTIEBOLAG	HORMESTA	SJOBERG, IVAN FOLKE	STALL BJORKHULT AKTIEBOLAG
18. Mixed farming	HAALANT AB				
20. Support activities for animal production	AGGPACKNINGSSERVICE MANTORP AB	GGI SWEDEN AB	GILLERSTRAND ENTREPENAD	HANSSON, KRISTOFER	SKYBJERS LANTBRUKSTJANST AB
21. Post-harvest crop activities	FERLIN, ERIK AXEL EMANUEL				
23. Protected cultivation	AKTIEBOLAGET BRUNOBORG'S HANDELSTRADGAARD	EKENAS TRADGAARD AKTIEBOLAG	NYA MASTERS HANDELSTRADGAARD I GOTENE AB	PLANTAGEN SVERIGE AB	WRETA HANDELSTRADGAA RD AKTIEBOLAG
24. Plant propagation with crops	ADOLFSNAS HANDELSTRADGAARD AB				
26. Growing of non-perennial crops	BRANNE OVREGAARD AB	EKENGAARDS JORDBRUKSFORVALTNING AKTIEBOLAG	ROKINGE LANTBRUK AKTIEBOLAG	STORA MELLOSA POTATIS AKTIEBOLAG	WS JORDBRUKS AB
27. Growing of non-perennial crops with trade & services	AKTIEBOLAGET ERICSBERGS SATERI	HAABO BUSS MATS MATTSSON AKTIEBOLAG	HASTA HOLDING AKTIEBOLAG	LAANSTA GAARD & AAKERI AB	OLSTORPS LANTBRUKS AKTIEBOLAG
30. Growing of grapes with manufacture of wine & distils	BLAXSTA AKTIEBOLAG	NILS OSCAR SATERI AB			
31. Growing of crops	BOO EGENDOM AKTIEBOLAG	LIDA TRADGAARD AB	ORMINGE GAARD AKTIEBOLAG	STENBERG I BROBY AKTIEBOLAG	TOMTA GAARD AKTIEBOLAG
32. Growing of crops with trade & services	UPPLANDS POTATIS FORSALINING AKTIEBOLAG				
33. Growing of crops with farming support activities	RUNNABY GAARD AKTIEBOLAG	SPANNSAM MASKIN AB	T.P.G. LANTBRUK AB	VALSTAD MASKINSTATION AKTIEBOLAG	VARVS MASKINSTATION AB
34. Raising of animals	AAKERO FORVALTNING AKTIEBOLAG	AALKARR NATURBRUK	KAMBO GAARD AB	LARS ENGSTROM AB	PER EDWARD KARLSSON
35. Rising of animals with trade & services	BARONIET ADELSWARD AKTIEBOLAG	LILLIE KYCKLING AB	ROSLAGSAGG AB	SPRINGSTA SATERI AB	VIKBOLANDS TAXI 160 000 AKTIEBOLAG

36. Raising of animals & farming support activities	IMMA LANTBRUK AKTIEBOLAG	LER & LAVA AGRO AB	NATUR & KULTURKOMPANIET I UPPLAND AB	NYNAS SATERI AB	VADSBRO LANTBRUKSTJANST AKTIEBOLAG
37. Raising of animals with personal services	AARSTA GAARD SKOLDINGE AB	ADELEGAARDEN AB	BIMASTER, EKONOMISK FORENING	TANDLAKARE GUNNAR JOHANSSON I OREBRO AKTIEBOLAG	UNIQUE DOGS SWEDEN AB
38. Raising of horses & services	ANNSAM AB	L.G.J. INVEST I OREBRO AB	LAKARKONSULT OCH HANDIKAPPRIDNING HANS INGEMARSON AKTIEBOLAG	O. ERIKSSON AAKERI AB	TECAB SWEDEN AB
39. Specialised farming support activities	HEM TILL GAARDEN I VASTERAS AB	KALLSTAD EQUESTRIAN AB	MEJA VERKSAMHETSUTVECKLING AB	NILSLUNDS KONSULTRYRAA HANDELSBOLAG	VASTMANLANDS LANS HUSAALLNINGSSA LLSKAP
40. Business management services	BAVEN AB	HULABO AB	JOHANNESHOLM AB	ORKE HEREFORD AB	UAMS AB
41. Landscaping & support activities	AVBYTARRESURS I OREBRO AB				
42. Animal farming, sport facilities & recreation services	ANN OCH JOAKIM HOLMQVIST HANDELSBOLAG	KAMLION AKTIEBOLAG	REKASTA EQUESTRIAN AB	STALL LAGERFELT AB	TEAM WALMANN AKTIEBOLAG
43. Machining & repair	BOSTEBO AKTIEBOLAG	HAGBY GAARD AB	HORSAB SERVICE AKTIEBOLAG	KIVSTA GAARD & TRADGAARD AB	QAA SERVICE KOMMANDITBOLAG
44. Electric Installations	A. ZILLEN EL AB	ELINSTALLATIONER LEIF GUSTAVSSON AKTIEBOLAG	HAGEBY ELSERVICE AKTIEBOLAG	VALTERSTENS EL OCH LANTBRUK AB	
45. Construction support services	BERGS GAARD MARK & BYGG AB	BIOBYGG HANDELSBOLAG	JOHAN ERIKSSON HANDELSBOLAG	LUNDQUIST BERGSPRANGNING AKTIEBOLAG	TARNA STALL & GRAVENTREPRAEDA AB
46. Construction operations	GOLSTAVIK AB	JIMMY & SOFIE ENTREPRENAD OCH HOVSLAGERI AB	KLOCKARSGAARDEN AB	LONHULT VIND AB	
47. Manufacturing of food products	BRINKS GURKOR & LANTBRUKS AKTIEBOLAG	GESON LANTBRUK KOMMANDITBOLAG	HPG ASPLUNDA AB	SUNDBYHOLMSFRYSEN AKTIEBOLAG	TISTEVIND AB
48. Manufacturing of prepared animals feeds	BLACKSTABY GRIS AKTIEBOLAG	FORS SATERI I FLODA AKTIEBOLAG	ONNERSTAAL SMAAGRISAKTIEBOLAG	SJUKALLA AB	
49. Miscellaneous product manufacturing	GOTLUNDA LANTBRUK	HUSBY-OPPUNDA JORDBRUKS AKTIEBOLAG, HOJAB	KENNETH ERIKSSON SCREEN AKTIEBOLAG	PAS PRODUKTION I LATORP AB	ROLLING RANCH HANDELSBOLAG
50. Manufacturing of agro-farming & other machinery & equipment	BIOMETRON INTERNATIONAL AB	SOLEA KOMMANDITBOLAG			
51. Production of electricity	APPUNA GAARD AKTIEBOLAG	HACKENAS LANTBRUKS AKTIEBOLAG	ORLUNDA AGRO OCH IT	STAVLOSA GAARD AKTIEBOLAG	TEK LANTBRUK AB
52. Sewerage, cleaning & waste treatment	ECONOVA RECYCLING AB				
53. ICT support	BO SINANDER AB	NIM&STEN AB	NOBART AB	VASTRA AAAA KOMMANDITBOLAG	XENNEN CONSULTING HANDELSBOLAG
54. R&D & technical testing	AMTIC AB	JAE I HALLSTAHAMMAR AB	LIND CONSULTING I VASTERAS AB	MATS JONASSON	VANGE RINGATORP LANTBRUKSAKTI EBOLAG
55. Mixed farming diversified	BLACKERT LANTBRUK	MAGNUS & JAKOB OLAI	MAGNUS LORIN FOR MAGNUS OCH SANDRA LORINS FAARSKOTSEL	OSTERBY SATERI AKTIEBOLAG	STAMPO AKTIEBOLAG
56. Mixed farming & support activities	BRUNNBY GAARD	HOGBODA LANTBRUK AB	LUNDBY GAARD	RANNBACKS HOVSLAGERI AB	
58. Wholesale of agricultural machinery, tools, computers & software	AAHMANS TRAKTORCENTRUM AKTIEBOLAG	ALVESTAD-TANKEN AB	BJALBO TRADGAARD AKTIEBOLAG	LIDA GAARD & MASKIN AB	OSTERSTA LANTBRUK & SERVICE AB
59. Misc. trade and support services for crop production	DURUS AB	GHS PRODUKTER I MJOLBY AB	LANGNER HORSETEC AB	SANNA NILSSON DRESSYR AB	SKINNARBO GAARD AB

UKN - Northern Ireland

Figure 25. Regional comparative strengths in value chain segments in Northern Ireland (*arable crops & livestock*)

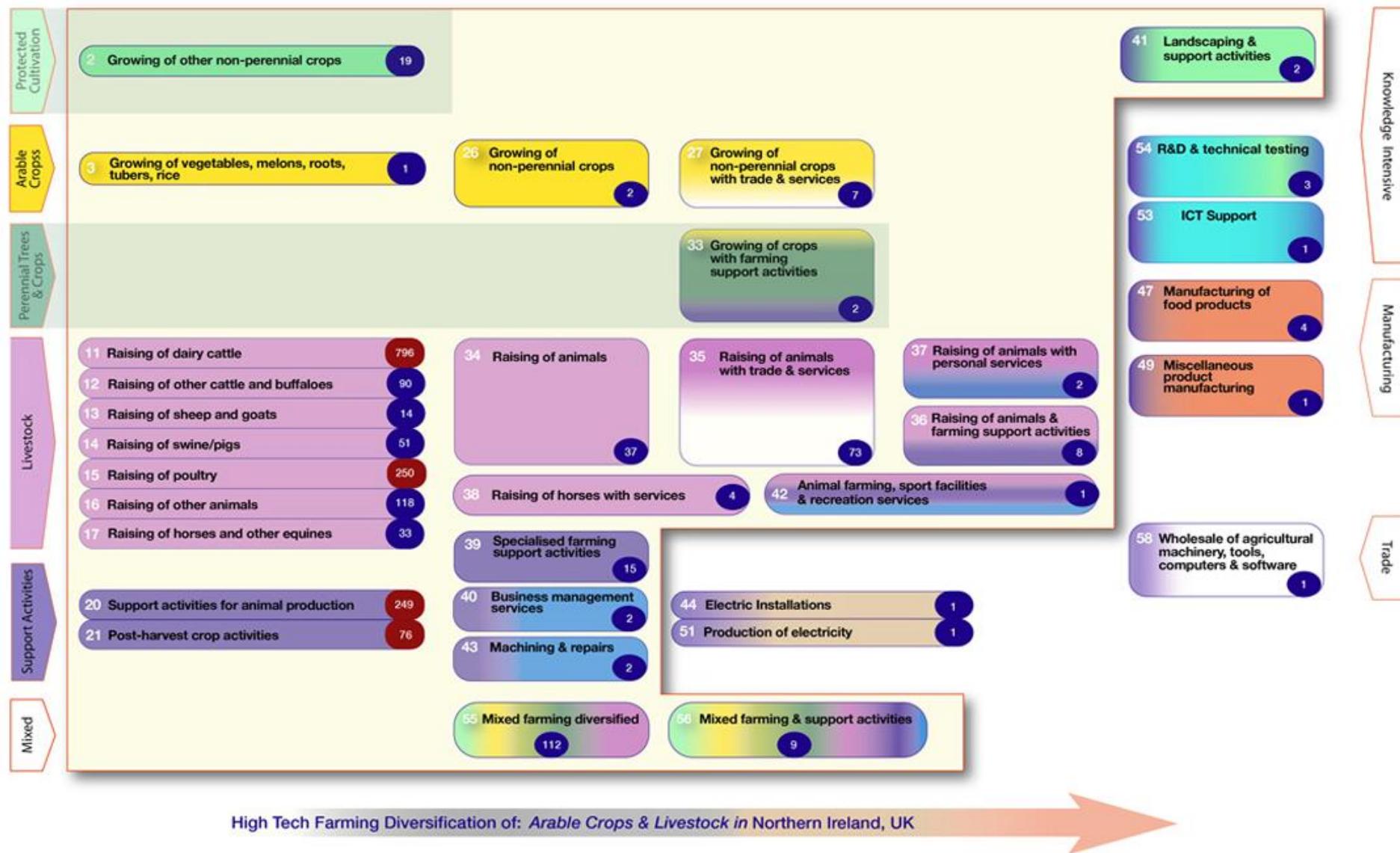


Table 98. Population of farming firms in Northern Ireland

Northern Ireland	Source			Distribution of firms by size					
	Main company	Subsidiary	Total	SM	ME	LA	VL	n.a.	Total
	1,987	0	1,987	1,135	390	229	231	2	1,987
	100.0%	0%	100.0%	57.1%	19.6%	11.5%	11.6%	.1%	100.0%

Table 99. Regional diversification in Northern Ireland (number of industry codes per firm)

Northern Ireland	Regional diversification					
	1	2	3	4	Total	Mean
	1,695	272	14	6	1,987	1
	85.3%	13.7%	.7%	.3%	100.0%	

Example: 1695 (85.3%) of all firms in the region in the database have only one industry code of activities.

Table 100. Distribution of firms in value chain segments in Northern Ireland

Value Chain Segments	Number of employees 2016				Operating revenue (Turnover) EUR thousands, 2016			
	Mean	Median	Valid N	Total N	Mean	Median	Valid N	Total N
2. Growing of other non-perennial crops			0	19			0	19
3. Growing of vegetables, melons, roots, tubers, rice	108	108	1	1	5,105	5,105	1	1
11. Raising of dairy cattle	8	4	6	796			0	796
12. Raising of other cattle and buffaloes	2	2	2	90			0	90
13. Raising of sheep and goats			0	14			0	14
14. Raising of swine/pigs	62	69	3	51	13988	11,969	6	51
15. Raising of poultry	2	1	3	250			0	250
16. Raising of other animals	2	2	2	118			0	118
17. Raising of horses and other equines	1	1	1	33			0	33
20. Support activities for animal production	15	3	4	249	1,699	63	4	249
21. Post-harvest crop activities	19	19	1	76	468	468	2	76
26. Growing of non-perennial crops			0	2			0	2
27. Growing of non-perennial crops with trade & services	1	1	1	7	64	43	3	7
33. Growing of crops with farming support activities			0	2			0	2
34. Raising of animals			0	37			0	37
35. Rising of animals with trade & services			0	73			0	73
36. Raising of animals & farming support activities			0	8			0	8
37. Raising of animals with personal services			0	2			0	2
38. Raising of horses & services			0	4			0	4
39. Specialised farming support activities			0	15			0	15
40. Business management services	627	627	2	2	586,146	586,146	2	2
41. Landscaping & support activities			0	2			0	2
42. Animal farming, sport facilities & recreation services			0	1			0	1
43. Machining & repair			0	2			0	2
44. Electric Installations			0	1			0	1
47. Manufacturing of food products	35	35	1	4	17,253	17,253	1	4
49. Miscellaneous product manufacturing			0	1			0	1
51. Production of electricity			0	1			0	1
53. ICT support			0	1			0	1
54. R&D & technical testing	13	13	1	3	941	941	1	3
55. Mixed farming diversified			0	112			0	112
56. Mixed farming & support activities			0	9			0	9
58. Wholesale of agricultural machinery, tools, computers & software			0	1			0	1
Total	62	4	28	1,987	64,372	1,936	20	1,987

Table 101. Leading companies in value chain segments in Northern Ireland

Value Chain Segments	Leading companies by operating revenue (turnover) for 2016				
3. Growing of vegetables, melons, roots, tubers, rice	PLEROMA LIMITED				
14. Raising of swine/pigs	BELMONT FARMS LIMITED	JMW FARMS LTD	M. KEYS FARMS LIMITED	M. KEYS LIMITED	SM PIGS LIMITED
20. Support activities for animal production	AI SERVICES (NORTHERN IRELAND) LIMITED	CAMOWEN FARMERS COMBINED LTD	IRISH MOILED CATTLE SOCIETY	RALEAGH EQUINE RESCUE LIMITED	
21. Post-harvest crop activities	BURKE SHIPPING SERVICES LIMITED	DOONEEN FARMS LTD			
27. Growing of non-perennial crops with trade & services	CLOUGHMILLS COMMUNITY ACTION TEAM	MARBUR PROPERTIES (N.I.) LIMITED	ROWALLANE COMMUNITY HUB		
40. Business management services	LOUGH ERNE INVESTMENTS LIMITED	W.& R. BARNETT, LIMITED			
47. Manufacturing of food products	NORTH DOWN GRAIN LIMITED				
54. R&D & technical testing	BALLYEDMOND CASTLE FARMS LTD				