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Season

Area	2014	2015	2016	2017	2018	2019
Total effective area (ha)	117.3	117.3	119.7	119.7	119.7	119.7
Ryegrass-white clover	76.2	94.5	100.0	104.9	104.9	97.4
Annual ryegrass	-	-	-	9.7	9.7	-
Lucerne	9.4	9.4	9.4	-	-	9.4
Plantain - chicory - red clover	9.7	9.7	8.0	9.3	7.3	7.0
Chicory irrigated	-	2.4	2.4	-	-	-
Brassica crops - turnips	4.0	9.0	4.2	3.9	-	5.1
Brassica crops - rape	8.6	-	-	2.1	-	-
Brassica crops - kale	-	-	-	-	4.0	4.0
Maize	-	-	2.1	-	-	-

Milking cows	2014	2015	2016	2017	2018	2019
Total	256	264	258	251	242	257
Holstein Friesian	70	70	66	62	55	63
Jersey	57	65	54	59	64	69
Crossbreed	129	129	138	130	123	125
Stocking rate (cows/ha)	2.18	2.25	2.16	2.10	2.02	2.15

Milk production	2014	2015	2016	2017	2018	2019
Total (kg/season)						
Milk	974,674	1,003,087	975,239	946,992	832,852	964,176
Milksolids	90,842	92,783	92,299	87,335	77,496	91,004
Fat	51,904	52,505	52,420	49,395	44,059	51,416
Protein	38,938	40,278	39,879	37,940	33,437	39,588
Per cow (kg/cow)						
Milk	3,807.3	3,799.6	3,780.0	3,772.9	3,441.5	3,751.7
Milksolids	354.9	351.4	357.7	347.9	320.2	354.1
Fat	202.8	198.9	203.2	196.8	182.1	200.1
Protein	152.1	152.6	154.6	151.2	138.2	154.0
SCC <sup>‡</sup>	130	113	103	107	112	117
Live weight	490	469	489	484	486	500
Per ha (kg/ha)						
Milk	8,309.2	8,551.5	8,147.4	7,911.4	6,957.8	8,054.9
Milksolids	774.4	791.0	771.1	729.6	647.4	760.3
Fat	442.5	447.6	437.9	412.7	368.1	429.5
Protein	331.9	343.4	333.2	317.0	279.3	330.7

<b>DMI (kg DM/cow)<sup>‡</sup></b>	4,464.5	4,287.3	4,364.2	4,331.7	4,167.8	4,538.4
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<b>FCE (kg MS/t DM)<sup>◊</sup></b>	79.5	82.0	82.0	80.3	76.8	78.0
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Calving and mating	2014	2015	2016	2017	2018	2019
Planned start of calving	20/07/14	24/07/15	24/07/16	24/07/17	29/07/18	29/07/19
Calved by week 3 (%)	67	75	69	71	76	70
Calved by week 6 (%)	90	95	89	88	93	92
Calved by week 9 (%)	98	100	98	98	100	100
Planned start of mating	15/10/14	15/10/15	14/10/16	20/10/17	20/10/18	20/10/19
3-week submission rate (%)	96	92	95	95	97	94
6-week pregnancy rate (%)	85	76	74	83	79	78
Empty rate (%)	8	9	12	9	9	9
Length of AB (weeks)	10	10	10	10	10	10
Length of total mating (weeks)	10	10	10	10	10	10

TOP scores	2014	2015	2016	2017	2018	2019
Capacity	7.091	6.723	6.591	6.802	7.088	6.817
Udder support	6.203	6.400	7.104	6.802	7.073	6.791
Front udder	5.728	5.929	6.409	6.112	6.397	6.024
Rear udder	6.264	6.273	7.089	6.744	7.000	6.656
Front teat	4.524	4.617	4.564	4.566	4.702	4.640
Rear teat	6.125	5.764	5.510	5.818	6.102	6.028
Udder overall	5.976	6.147	6.483	6.306	6.600	6.312

<sup>‡</sup>SCC = Somatic cell count.

<sup>‡</sup>DMI = dry matter intake calculated using AFRC (1993) with actual feed quality values for the lactation.

<sup>◊</sup>FCE = feed conversion efficiency calculated as kg MS produced per ton of DM offered.

