



SA Stud Book Annual Report 2015



Introduction

Information has been obtained from Logix as on 03/01/2016. SA Stud Book serves a variety of species and breed societies within these species, including beef and dairy cattle, small stock, pigs, horses, ostriches, game and dogs, of which most of presented in this report. SA Stud Book is a registered registering organisation aiding farmers with animal registration, recording, general consultations, on-farm technical advice and genetic evaluations.

This report includes only registered stud animals. Birth Weight, Pre-wean Weight, Weaning Weight, Post-wean Weight, 12 Month Weight, Mature Weight, 18 Month Weight, Cow Weight at Calving and Cow Weight at Weaning of Calf are measured on the farm by the farmer himself. The number of animals born, Age at First Calving/Lambing and Inter-calving Period/Inter-lambing Period are calculated by the Logix system based on birth notifications received from farmers. The environment in which these traits are measured therefore varies between herds. Environmental factors include veld type, climate, management practices, terrain and available feed. Traits such as Height, Length, Skin Thickness, Scrotal Circumference, Final Weight and Real-Time Ultrasound (RTU) measurements are taken by the technical advisor allocated to a particular area at the end of the on-farm testing. In 2015, 16 beef breeds took part in on-farm testing, of which one breed tested both male and female animals. Wool data are recorded on the farm during shearing as well as the wool test station. Only 3 breeds record wool and shearing information.

Centralised testing takes place at various centralised testing centres located through-out the country. The animals are individually fed a standardised ration and are compared within the same environment. There is an adaptation period of 28 days, followed by a test length of 84 days. Body weights and feed intake are measured regularly, and Height, Length, Skin Thickness, Scrotal Circumference, Final Weight and RTU measurements are taken at the end of the test. Individual feed intake measurements allow for the calculation of feed conversion ratio (FCR), a measure of feed efficiency. In 2015, 14 beef breeds took part in centralised testing.

Percentages and average values may be misleading when there are few herds or animals and is not necessarily a true representation of the breed. For example, a participation percentage of 80 on a breed with 1000 is a good representation of the breed, as this includes 800 herds, but on a breed with 5 herds it is not, as this only includes 4 herds.

Be careful when comparing the performance of breeds with each other. The values presented here are dependent on genetic merit and environmental factors, and the breeding objectives may differ between breeds.

Pie charts are presented for herds and animals registered at SA Stud Book and/or participating in Logix systems in 2015.

Averages that appear on the bottom of the tables are corrected averages – total value of measurements divided by the total number of animals measured. In other words, it is not the total averages per breed divided by the number of breeds. This is to take into account that all breeds do not have the same number of animals and therefore cannot have equal contributions to the average. Weight averages for males and females are adjusted for age to take age variation into account.

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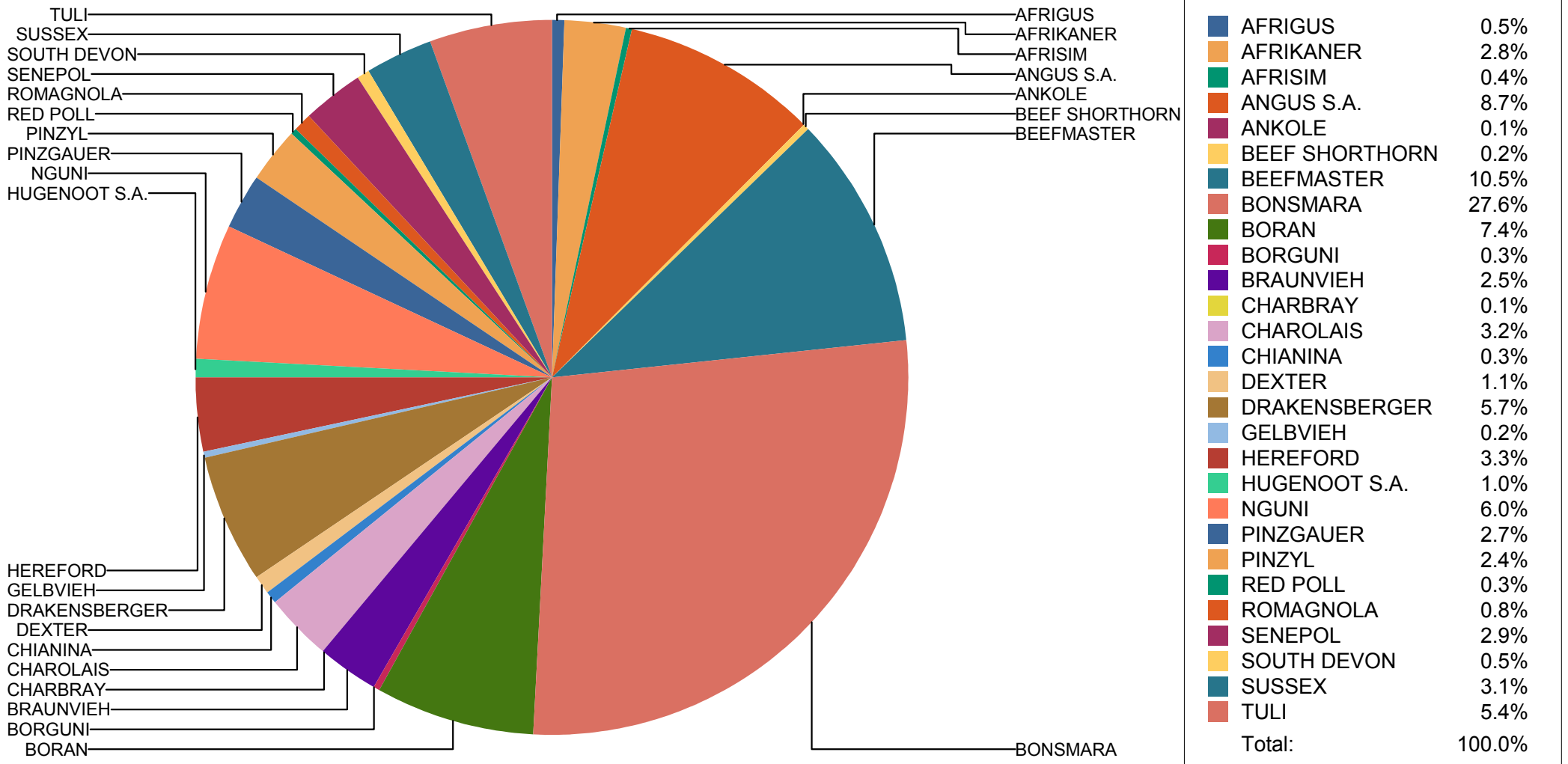
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Table 1: Number of herds and animals registered and participating in Logix beef as on 03/01/2016

Breed - SA	Number of herds			Number of animals						% Participation		
	Reg	Logix Beef	% Part.	Male		Female		Total		Male	Female	Total
				Reg	Log.Beef	Reg	Log.Beef	Reg	Log.Beef			
AFRIGUS	12	6	50	211	159	720	429	931	588	75	60	63
AFRIKANER	46	37	80	1832	1762	5834	5404	7666	7166	96	93	93
AFRISIM	5	5	100	216	216	734	734	950	950	100	100	100
ANGUS S.A.	162	114	70	6160	5745	16633	15040	22793	20785	93	90	91
ANKOLE	5	1	20	123	113	345	309	468	422	92	90	90
BEEFMASTER	137	137	100	14323	14323	37387	37387	51710	51710	100	100	100
BEEF SHORTHORN	9	3	33	113	107	485	268	598	375	95	55	63
BONSMARA	360	360	100	34342	34342	96560	96560	130902	130902	100	100	100
BORAN	365	96	26	9733	4661	28038	10892	37771	15553	48	39	41
BORGUNI	8	4	50	131	82	194	125	325	207	63	64	64
BRAUNVIEH	33	33	100	487	487	1676	1676	2163	2163	100	100	100
CHARBRAY	1	1	100	44	44	72	72	116	116	100	100	100
CHAROLAIS	42	42	100	1586	1586	3772	3772	5358	5358	100	100	100
CHIANINA	13	4	31	126	11	235	7	361	18	9	3	5
DEXTER	58	14	24	448	154	1715	592	2163	746	34	35	34
DRAKENSBERGER	75	75	100	4787	4787	10773	10773	15560	15560	100	100	100
GELBVIEH	2	2	100	128	128	541	541	669	669	100	100	100
HEREFORD	60	43	72	1860	1728	4794	4327	6654	6055	93	90	91
HUGENOOT S.A.	20	13	65	563	431	2469	1650	3032	2081	77	67	69
NGUNI	289	78	27	10494	4184	35986	13626	46480	17810	40	38	38
PINZGAUER	87	35	40	485	385	1713	1320	2198	1705	79	77	78
PINZYL	71	31	44	481	390	2529	1861	3010	2251	81	74	75
RED POLL	7	4	57	87	81	357	339	444	420	93	95	95
ROMAGNOLA	18	11	61	304	220	1351	837	1655	1057	72	62	64
SENEPOL	38	38	100	865	865	3415	3415	4280	4280	100	100	100
SOUTH DEVON	6	6	100	339	339	932	932	1271	1271	100	100	100
SUSSEX	41	41	100	2053	2053	4886	4886	6939	6939	100	100	100
TULI	71	71	100	2658	2658	7385	7385	10043	10043	100	100	100
Total and % Participation	2041	1305	64	94979	82041	271531	225159	366510	307200	86	83	84

Herds participating in Logix Beef in 2015



Animals participating in Logix Beef in 2015

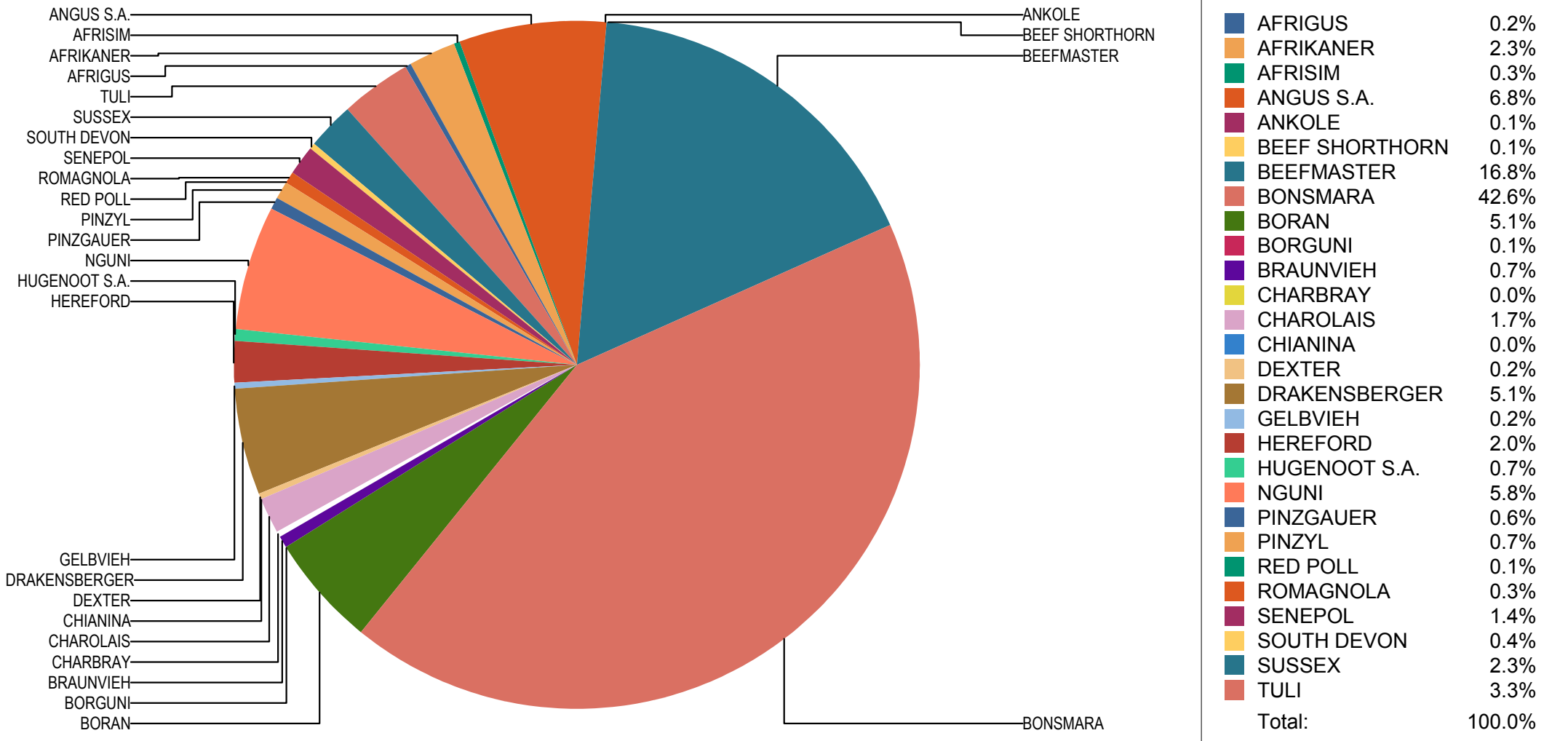


Table 2: Number of bulls with weight measurements and the average value per breed as on Logix beef on 03/01/2016

Breed - SA	Birth information				Birth		Pre-wean		Wean		12 Month		18 Month	
	Animals born	Service info			Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*
		Nat.	AI	Embryo										
AFRIGUS	94	86	8		27	34.2			65	239.5	6	303.7	9	465.4
AFRIKANER	885	885			122	32.0			553	198.4	43	282.2	47	343.8
AFRISIM	131	130	1		52	34.4			89	237.0	8	370.1		
ANGUS S.A.	3019	1890	1070	59	2003	35.4	127	141.0	2244	233.6	499	355.7	375	533.9
ANKOLE	79	79							56	192.7	13	265.9		
BEEFMASTER	6639	6023	616		4640	35.6	107	138.5	5421	236.1	1166	300.3	1692	424.9
BEEF SHORTHORN	87	71	16		86	40.2	18	165.7	56	225.4	11	338.9	10	451.7
BONSMARA	18873	17850	1005	18	16440	36.1	865	141.3	16639	224.1	1743	283.9	1706	381.5
BORAN	4253	3807	121	325	1309	29.9	1	110.0	627	196.4	46	266.7	47	352.6
BORGUNI	46	46			16	31.3			10	158.7				
BRAUNVIEH	320	308	12		207	39.3	26	161.7	121	248.5	39	331.1	24	439.4
CHARBRAY	14	14					1	162.0	8	245.6				
CHAROLAIS	724	651	73		496	41.7			423	237.2	321	338.8	147	470.1
CHIANINA	9	3	2	4							5	281.6	5	364.4
DEXTER	294	292	2		62	25.7	2	79.0	33	159.8	7	235.4	3	257.7
DRAKENSBERGER	1881	1653	228		1125	36.3	40	100.0	1495	213.5	703	244.3	622	353.4
GELBVIEH	50	50			50	40.2	39	109.3	27	204.1	31	274.0	3	309.0
HEREFORD	877	705	169	3	607	36.8	54	114.0	456	214.4	106	307.2	57	437.5
HUGENOOT S.A.	356	351	5		157	40.2	78	118.3	166	212.4	37	250.5	24	357.5
NGUNI	5917	5898	18	1	257	27.7			1131	161.9	169	175.9	98	260.1
PINZGAUER	252	226	26		2	31.0			18	229.0				
PINZYL	383	360	23		3	24.7			24	171.0	2	235.0	3	291.7
RED POLL	16	16			14	33.0			13	195.9	7	194.4	1	348.0
ROMAGNOLA	171	167	4		12	42.0			89	277.5	20	370.1	7	575.7
SENEPOL	582	550	28	4	349	36.7			231	216.6	70	276.9	19	392.5
SOUTH DEVON	264	223	41		254	37.0			123	233.3	2	355.5	19	374.5
SUSSEX	837	790	46	1	641	39.4	37	138.7	616	233.0	213	362.9	277	484.1
TULI	1217	1102	115		488	32.1	3	105.0	764	186.2	229	251.3	249	343.2
Totals and Averages	48270	44226	3629	415	29419	35.8	1398	137.1	31498	222.4	5496	291.0	5444	406.5

* Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Weights are adjusted for age and total averages take breed size (in terms of number of animals) into consideration

Table 3: Number of cows/heifers with weight and fertility measurements and the average value per breed as on Logix beef on 03/01/2016

Breed - SA	Birth information				Birth		Pre-wean		Wean		12 Month		18 Month		AFC		ICP		Cow Weights			
	Animals born	Service info			Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Records	Ave value*	Records	Ave value*	At calving		At weaning	
		Nat.	AI	Embryo															Animals weighed	Ave value*	Animals weighed	Ave value*
AFRIGUS	132	126	6		42	31.3			64	220.5	6	284.2	9	361.9	56	32.9	152	396.4			70	480.0
AFRIKANER	864	864			137	29.5			501	186.8	248	242.2	306	296.0	339	35.0	1346	454.4	195	434.1	653	479.0
AFRISIM	152	152			57	33.5			85	212.7	15	268.1	27	328.4	63	29.8	213	427.8			174	516.0
ANGUS S.A.	2856	1850	956	50	1910	33.6	130	134.8	2278	224.6	812	299.6	505	388.3	1425	31.1	4298	408.1	1173	559.1	2147	548.0
ANKOLE	75	75							52	175.8					27	34.5	126	403.9				
BEEFMASTER	6466	5823	643		4423	33.9	82	125.9	5205	220.7	1950	271.4	3084	348.0	2465	31.0	9661	406.9	1143	501.5	6232	503.0
BEEF SHORTHORN	64	55	9		64	37.8	15	138.1	38	214.6	31	246.7	34	302.1	42	38.5	108	380.2			91	529.0
BONSMARA	17791	16789	983	19	15688	34.0	893	132.6	16287	209.5	11305	253.9	9757	325.0	7838	31.1	27726	411.9	18615	499.2	28891	503.0
BORAN	4466	4094	108	264	1423	28.3	5	123.4	696	181.7	169	205.1	277	283.9	2285	33.3	5305	429.2	1418	406.9	1074	417.0
BORGUNI	39	39			15	27.9			16	148.2	8	156.5	1	211.0	15	33.7	69	465.1	9	375.7	4	317.0
BRAUNVIEH	283	260	18	5	183	36.9	32	145.2	137	234.2	92	279.7	92	358.2	141	32.4	452	472.5	407	505.0	201	495.0
CHARBRAY	13	13					3	132.0	6	265.2					5	36.0	20	410.8			14	561.0
CHAROLAIS	754	685	69		522	40.0	17	123.1	473	224.5	287	294.1	196	367.9	288	33.9	1117	420.5	510	598.4	632	604.0
CHIANINA	12		9	3							4	300.5	4	364.3	2	36.3	10	546.2				
DEXTER	336	336			77	23.6	3	84.3	54	143.7	4	193.0	5	171.6	152	27.1	456	418.3	157	323.4	88	294.0
DRAKENSBERGER	1764	1519	245		1065	34.0	29	91.9	1510	198.1	1169	227.5	726	310.3	711	34.2	2782	424.9	1519	479.8	1694	495.0
GELBVIEH	41	41			41	37.1	54	110.2	44	188.3	35	243.2	1	264.0	22	34.9	69	486.8	90	546.4	70	526.0
HEREFORD	822	670	149	3	607	35.1	63	105.6	513	204.9	181	285.0	108	387.8	380	31.0	1312	388.1	898	544.9	674	586.0
HUGENOOT S.A.	415	411	4		199	37.4	81	111.4	170	192.8	126	248.8	120	333.9	140	35.9	573	451.5	387	537.4	305	531.0
NGUNI	5890	5878	11	1	252	25.9			1177	147.6	418	177.6	450	237.6	2544	32.1	9024	411.0	1055	352.3	2170	362.0
PINZGAUER	247	226	21		5	30.4			13	201.1			6	421.2	97	35.7	377	467.2	9	455.0	30	479.0
PINZYL	356	341	15		1	28.0			32	146.1	53	216.5	122	247.6	132	34.9	528	468.4	8	427.1	18	383.0
RED POLL	18	18			18	31.4			16	189.3	16	172.1	4	357.3	11	36.1	23	443.6			29	397.0
ROMAGNOLA	193	188	5		10	37.8			96	257.0	4	360.8	1	416.0	72	33.7	290	432.5	27	606.9	11	626.0
SENEPOL	727	698	24	5	350	35.5			387	198.0	286	259.1	186	335.7	294	33.6	898	433.6	319	461.2	421	468.0
SOUTH DEVON	195	157	38		189	35.1			110	216.7	45	216.4	19	389.1	91	34.2	331	407.8			202	517.0
SUSSEX	831	799	32		615	37.1	27	124.9	651	215.1	280	290.3	581	378.0	310	31.2	1332	395.3	690	577.5	689	589.0
TULI	1222	1109	113		487	30.5	1	103.0	809	176.4	424	206.8	618	280.6	538	34.8	1738	406.1	748	421.0	1086	440.0
Totals and Averages	47024	43216	3458	350	28380	33.8	1435	128.3	31420	207.8	17968	254.0	17239	327.8	20485	31.9	70336	414.7	29377	492.9	47670	497.7

* Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Weights are adjusted for age and total averages take breed size (in terms of number of animals) into consideration

Table 4: Central testing results (only bulls) as on Logix beef on 03/01/2016

Breed - SA	Traits												
	Number of animals	Final weight (kg)	ADG (g)	FCR (kg/kg)	Height (mm)	Length (mm)	Skin Thickness (mm)	Scrotal circ. (mm)	Number of animals RTU	Rib fat thickness (mm)	Rump fat thickness (mm)	Eye muscle area	Marbling (%)
AFRISIM	16	417.0	1515	6.94	1205	1385	15.44	357.1	14	3.63	5.31	67.07	1.77
ANGUS S.A.	57	456.6	1875	6.00	1238	1437	11.96	344.8	48	2.22	3.79	69.56	2.13
BEEFMASTER	1	393.0	1498	6.12	1112	1353	23.00	372.0					
BONSMARA	405	405.6	1742	5.85	1191	1413	15.41	338.8	401	3.09	4.78	67.76	2.01
BRAUNVIEH	34	424.9	1823	5.56	1211	1411	14.32	335.2	32	2.27	3.37	67.84	2.26
CHAROLAIS	5	504.6	1859	5.73	1265	1454	13.20	351.4	4	2.68	5.18	73.40	1.38
DEXTER	12	325.8	1219	6.52	1093	1311	12.17	289.5	10	2.14	3.76	53.90	3.04
DRAKENSBERGER	112	378.1	1571	6.10	1154	1395	15.33	334.6	112	2.55	3.36	60.63	2.20
HEREFORD	14	470.5	1952	5.88	1256	1446	14.57	333.8	14	1.96	2.44	74.43	1.86
HUGENOOT S.A.	1	424.0	2037	5.77	1178	1321	17.00	335.0	1	1.90	3.20	60.00	1.40
ROMAGNOLA	2	417.5	1863	5.18	1285	1451	16.00	322.5	2	1.95	2.65	70.00	1.45
SENEPOL	1	390.0	1601	6.09	1211	1399	17.00	333.0	1	2.80	4.80	62.00	2.00
SOUTH DEVON	1	455.0	1793	5.66	1227	1444	13.00	334.0	1	2.70	4.60	80.00	1.70
SUSSEX	8	409.9	1714	5.47	1248	1404	14.38	322.0	8	2.38	4.20	59.00	1.64
Totals and Averages	669	407.4	1719	5.92	1190	1410	14.96	338	648	2.85	4.32	66.52	2.06

Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Table 5: On-farm testing results (only bulls) as on Logix beef on 03/01/2016

Breed - SA	Traits											
	Number of animals	Final weight (kg)	ADG (g)	Height (mm)	Length (mm)	Skin Thickness (mm)	Scrotal circ. (mm)	Number of animals RTU	Rib fat thickness (mm)	Rump fat thickness (mm)	Eye muscle area	Marbling (%)
AFRIKANER	15	376.3	810	1225	1378	16.60	326.5	15	1.55	1.94	62.60	2.16
ANGUS S.A.	491	457.5	1322	1257	1450	13.06	356.2	244	2.89	4.55	70.11	2.64
BEEFMASTER	780	398.0	1017	1179	1399	14.40	339.4	50	2.89	4.37	68.78	2.21
BEEF SHORTHORN	14	383.1	745	1165	1396	10.14	333.9					
BONSMARA	6374	411.6	1358	1174	1406	15.36	344.7	1183	2.97	4.34	67.42	1.84
BORAN	70	338.6	730	1184	1290	15.44	338.9	70	2.55	3.31	51.31	1.38
BRAUNVIEH	10	524.5	1401	1268	1482	13.60	364.2	10	1.92	2.78	60.30	1.50
CHAROLAIS	16	548.6	1312	1343	1548	13.50	343.1					
DRAKENSBERGER	226	424.7	1290	1189	1418	15.40	332.4	115	2.65	3.92	64.80	2.14
HEREFORD	153	439.5	1262	1259	1429	15.38	344.3	93	2.96	3.68	60.83	1.56
HUGENOOT S.A.	73	400.3	1406	1196	1393	16.12	327.3					
NGUNI	96	268.6	449	1102	1237	11.82	290.7					
SENEPOL	24	374.6	1146	1169	1382	15.08	345.1	16	2.31	2.88	60.06	1.73
SOUTH DEVON	68	423.2	1260	1188	1434	13.74	360.0	20	1.23	1.53	52.25	2.03
SUSSEX	251	421.4	1280	1211	1424	15.83	334.5	84	2.80	3.87	64.81	2.02
TULI	49	365.7	1022	1187	1397	15.41	317.2	37	3.11	4.01	51.92	2.23
Totals and Averages	8710	411.8	1300	1182	1407	15.13	343.4	1937	2.88	4.18	66.04	1.96

Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Table 6: On-farm testing results (only cows/heifers) as on Logix beef on 03/01/2016

Breed - SA	Traits											
	Number of animals	Final weight (kg)	ADG (g)	Height (mm)	Length (mm)	Skin Thickness (mm)	Scrotal circ. (mm)	Number of animals	Rib fat thickness (mm)	Rump fat thickness (mm)	Eye muscle area	Marbling (%)
DRAKENSBERGER	21	341.0	719	1151	1331	11.90		21	2.50	4.58	57.90	2.28
Totals and Averages	21	341.0	719	1151	1331	11.90		21	2.50	4.58	57.90	2.28

Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Table 7: Number of foreign herds and animals registered and participating in Logix beef as on 03/01/2016

Breed - SA	Number of herds			Number of animals						% Participation		
	Reg	Logix Beef	% Part.	Male		Female		Total		Male	Female	Total
				Reg	Log.Beef	Reg	Log.Beef	Reg	Log.Beef			
BONSMARA ARGENTINA	38	38	100	1035	1035	1501	1501	2536	2536	100	100	100
BONSMARA BRAZIL	83	83	100	5992	5992	13818	13818	19810	19810	100	100	100
BONSMARA COLUMBIA	2	2	100	25	25	18	18	43	43	100	100	100
BONSMARA NAMIBIA	46	46	100	4065	4065	9102	9102	13167	13167	100	100	100
Total and % Participation	169	169	100	11117	11117	24439	24439	35556	35556	100	100	100

Table 8: Number of foreign male animals with weight measurements and the average value per breed as on 03/01/2016

Breed - SA	Birth information				Birth		Pre-wean		Wean		12 Month		18 Month	
	Animals born	Service info			Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*
		Nat.	AI	Embryo										
BONSMARA ARGENTINA	12	4	1	7	11	37.7								
BONSMARA BRAZIL	865	33	137	695	281	36.6	183	117.0	177	193.6	142	300.4	112	419.6
BONSMARA NAMIBIA	1668	1645	23		1614	35.8	45	119.6	1287	213.2	850	273.4	639	354.4
Totals and Averages	2545	1682	161	702	1906	35.9	228	117.5	1464	210.9	992	277.3	751	364.1

* Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Weights are adjusted for age and total averages take breed size (in terms of number of animals) into consideration

Table 9: Number of foreign female animals with weight and fertility measurements and the average value per breed as on 03/01/2016

Breed - SA	Birth information				Birth		Pre-wean		Wean		12 Month		18 Month		AFC		ICP		Cow Weights				
	Animals born	Service info			Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Records	Ave value*	Records	Ave value*	At calving		At weaning		
		Nat.	AI	Embryo															Animals weighed	Ave value*	Animals weighed	Ave value*	
BONSMARA ARGENTINA	14		2	12	14	34.6										3	32.6	2	367.5				
BONSMARA BRAZIL	808	30	130	648	252	33.9	140	113.7	134	188.1	150	268.4	114	326.3	88	38.0	148	499.3			188	516.0	
BONSMARA NAMIBIA	1634	1616	18		1593	34.0	34	113.4	1325	199.2	1244	253.1	1072	315.8	676	32.1	2473	415.6	1071	489.0	2277	476.0	
Totals and Averages	2456	1646	150	660	1859	34.0	174	113.6	1459	198.2	1394	254.7	1186	316.8	767	32.8	2623	420.2	1071	489.0	2465	479.3	

* Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Weights are adjusted for age and total averages take breed size (in terms of number of animals) into consideration

Table 10: On-farm testing results of foreign animals (only male animals) as on 03/01/2016

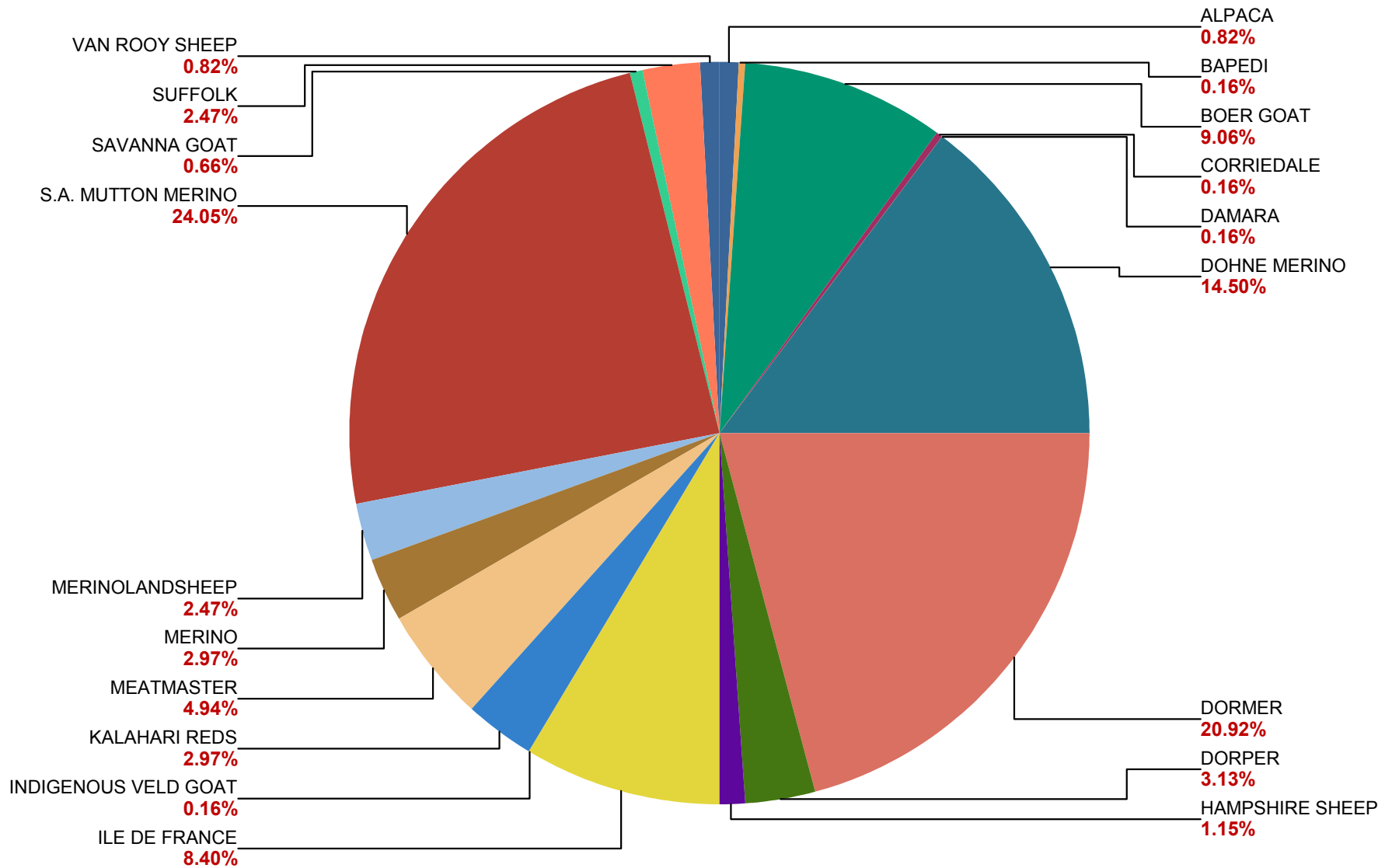
Breed - SA	Traits											
	Number of animals	Final weight (kg)	ADG (g)	Height (mm)	Length (mm)	Skin Thickness (mm)	Scrotal circ. (mm)	Number of animals RTU	Rib fat thickness (mm)	Rump fat thickness (mm)	Eye muscle area	Marbling (%)
BONSMARA NAMIBIA	255	451.7	926	1214	1398	13.39	333.5	142	1.50	2.37	68.64	2.07
Totals and Averages	255	451.7	926	1214	1398	13.39	333.5	142	1.50	2.37	68.64	2.07

Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Table 11: Number of herds and animals registered and participating in Logix small stock as on 03/01/2016

Breed - SA	Number of herds			Number of animals						% Participation		
	Reg	Logix Small Stock	% Part.	Male		Female		Total		Male	Female	Total
				Reg	Logix	Reg	Logix	Reg	Logix			
ALPACA	40	5	13	543	94	834	111	1377	205	17	13	15
BAPEDI	6	1	17	10	1	74	6	84	7	10	8	8
BOER GOAT	146	55	38	6338	3930	16374	8161	22712	12091	62	50	53
BORDER LEICESTER	2			9		34		43				
CORRIEDALE	1	1	100	93	93	259	259	352	352	100	100	100
DAMARA	4	1	25					0	0			100
DOHNE MERINO	93	88	95	112077	112010	113956	113878	226033	225888	100	100	100
DORMER	130	127	98	6227	6226	19504	19504	25731	25730	100	100	100
DORPER	20	19	95	14728	14725	15003	15003	29731	29728	100	100	100
DORSET	1							0				
HAMPSHIRE SHEEP	12	7	58	91	76	255	187	346	263	84	73	76
ILE DE FRANCE	71	51	72	2673	2333	7753	6905	10426	9238	87	89	89
INDIGENOUS VELD GOAT	14	1	7	35		213	25	248	25		12	10
KALAHARI REDS	44	18	41	1963	1585	4518	3346	6481	4931	81	74	76
MEATMASTER	45	30	67	6337	6056	10078	9401	16415	15457	96	93	94
MERINO	22	18	82	15418	15418	14551	14551	29969	29969	100	100	100
MERINOLANDSHEEP	22	15	68	532	479	2290	1745	2822	2224	90	76	79
S.A. MUTTON MERINO	161	146	91	75881	75865	74664	74641	150545	150506	100	100	100
SAVANNA GOAT	6	4	67	329	308	709	643	1038	951	94	91	92
SUFFOLK	18	15	83	559	449	1654	1409	2213	1858	80	85	84
VAN ROOY SHEEP	6	5	83	218	210	373	364	591	574	96	98	97
Total and % Participation	864	607	70	244061	239858	283096	270139	527157	509997	98	95	97

Herds participating in Logix Small Stock in 2015



Animals participating in Logix Small Stock in 2015

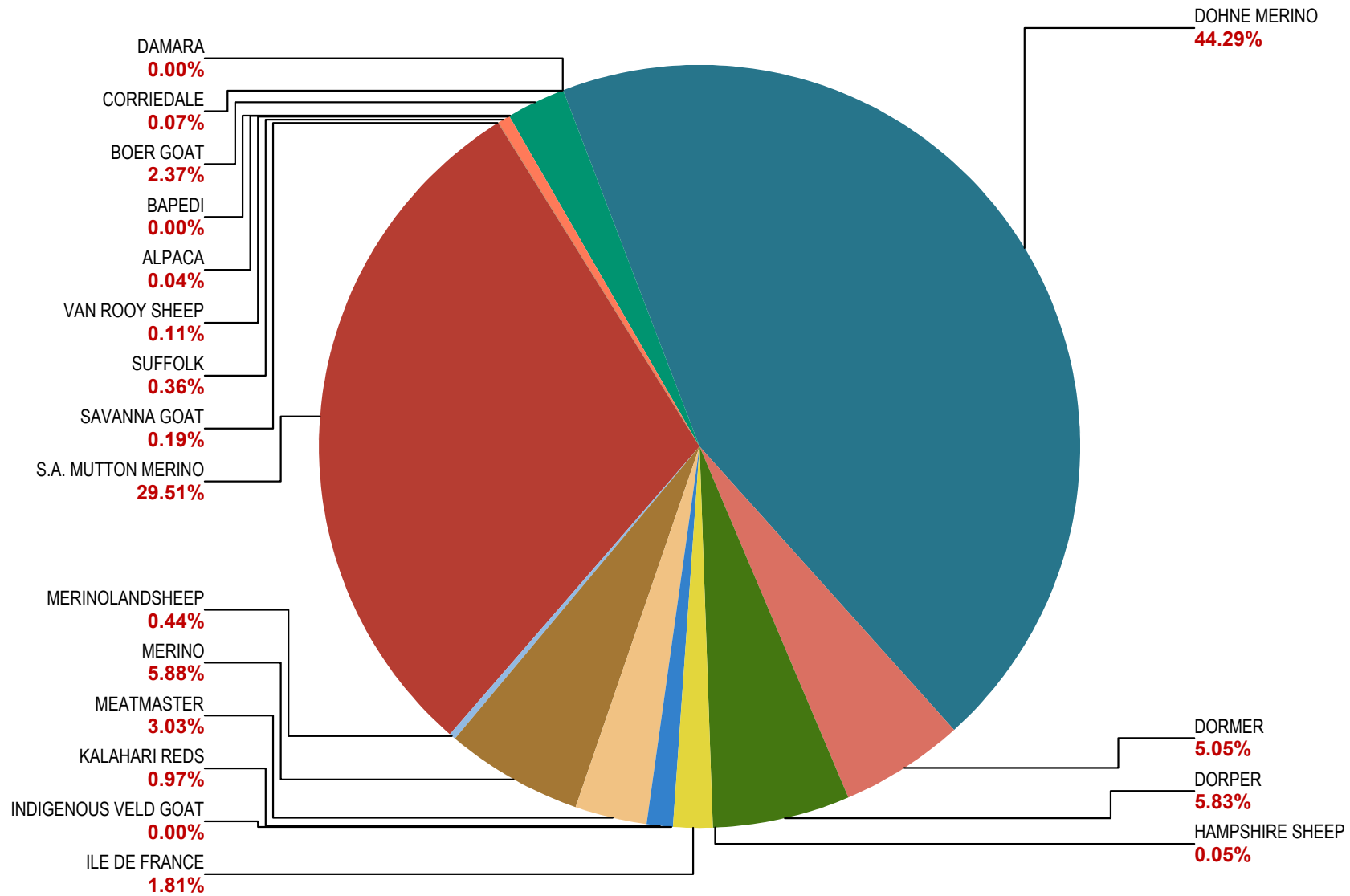


Table 12: Number of rams with weight measurements and the average value per breed as on Logix small stock on 03/01/2016

Breed - SA	Birth information				Birth		Pre-wean		Wean		Post-wean		Mature	
	Animals born	Service info			Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*
		Nat.	AI	Embrio										
ALPACA	78	78			30	7.11								
BOER GOAT	2146	2143	3		161	3.42			463	21.4	21	51	3	87
BORDER LEICESTER	23	23												
DORMER	6321	6177	131	13	2551	4.26	294	21.8	4273	33.0	1084	56	142	67
DORPER	496	394		102	235	4.00	44	15.7	113	30.1	35	67	13	86
HAMPSHIRE SHEEP	25	25			24	4.98	1	27.3	4	33.0				
ILE DE FRANCE	2300	1979	53	268	1398	4.51	582	20.5	712	35.2	41	54	19	89
KALAHARI REDS	302	302			83	3.37	67	11.2	10	32.7	39	33	7	45
MEATMASTER	2086	1922	67	97	138	4.36			813	29.5	711	45	4	59
MERINO	35	35												
MERINOLANDSHEEP	746	746			171	4.97			379	29.9	28	48		
S.A. MUTTON MERINO	97	79	18						126	33.1	26	71		
SAVANNA GOAT	33	33							50	16.0				
SUFFOLK	403	390	11	2	284	4.10	254	22.4	269	37.2	63	66	7	82
Totals and Averages	15091	14326	283	482	5075	4.31	1242	20.5	7212	31.9	2048	52.56	195	70.58

* Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Weights are adjusted for age and total averages take breed size (in terms of number of animals) into consideration

Table 13: Number of ewes/does with weight and fertility measurements and the average value per breed as on Logix small stock on 03/01/2016

Breed - SA	Birth information				Birth		Pre-wean		Wean		Post-wean		Mature		AFL		ILP	
	Animals born	Service info			Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Animals weighed	Ave value*	Records	Ave value*	Records	Ave value*
		Nat.	AI	Embrio														
ALPACA	66	66			19	6.26								33	964	111	460	
BOER GOAT	2276	2271	5		203	3.24			334	20.1	34	27	57	54	1213	769	2745	395
BORDER LEICESTER	26	25	1											21	551	25	338	
DORMER	6608	6416	179	13	2797	4.11	343	19.2	4718	30.8	1423	46	131	53	3527	676	8620	353
DORPER	536	435		101	256	4.00	40	16.1	95	29.1	18	45			156	639	315	390
HAMPSHIRE SHEEP	22	22			19	4.58	1	27.9	4	30.6				13	763	34	366	
ILE DE FRANCE	2267	2003	29	235	1449	4.28	599	18.6	769	33.3	55	42	31	55	1190	696	2837	382
KALAHARI REDS	366	366			107	3.01	87	8.4	30	25.4	45	24	40	35	206	840	291	368
MEATMASTER	2068	1931	59	78	141	4.01			717	27.1	641	44			988	521	2399	337
MERINO	31	31												12	646	54	289	
MERINOLANDSHEEP	685	685			129	4.64			368	28.4	30	42			337	816	1085	383
S.A. MUTTON MERINO	123	94	29						146	31.9	34	55			18	748	202	357
SAVANNA GOAT	34	34							67	17.1					22	731	42	529
SUFFOLK	393	386	3	4	264	3.94	268	21.2	289	33.0	48	54			310	965	450	395
Totals and Averages	15501	14765	305	431	5384	4.11	1338	18.5	7537	30.0	2328	45	259	51	8046	696	19210	366

* Averages based on few measurements are not meaningful representations of the breed and should be interpreted with caution.

Weights are adjusted for age and total averages take breed size (in terms of number of animals) into consideration

Table 14: Results of wool tests of rams participating in Logix small stock as on 03/01/2016

Breed - SA	Traits												
	Number of animals	Body weight (kg)	ADG (g)	Staple length (mm)	Crude Fleece Weight(kg)	Clean Fleece Weight(kg)	Clean Yield (%)	Fibre diameter (um)	Crimp	Standard deviation	Coefficient of variation	Comfort factor	Scrotal circ. (mm)
DOHNE MERINO	17	65.6		97	5.56	3.34	60.18	19.0		3.14	16.51	99.33	
MERINO	34	50.0		94	3.70	2.62	69.12	16.5		2.82	17.27	99.73	
S.A. MUTTON MERINO	2	54.0		97	2.60	1.72	66.10	19.3	17.10	3.00	15.35	99.50	
Total and averages:	53	55.5		95	4.29	2.83	65.96	17	17.10	2.94	16.93	99.59	

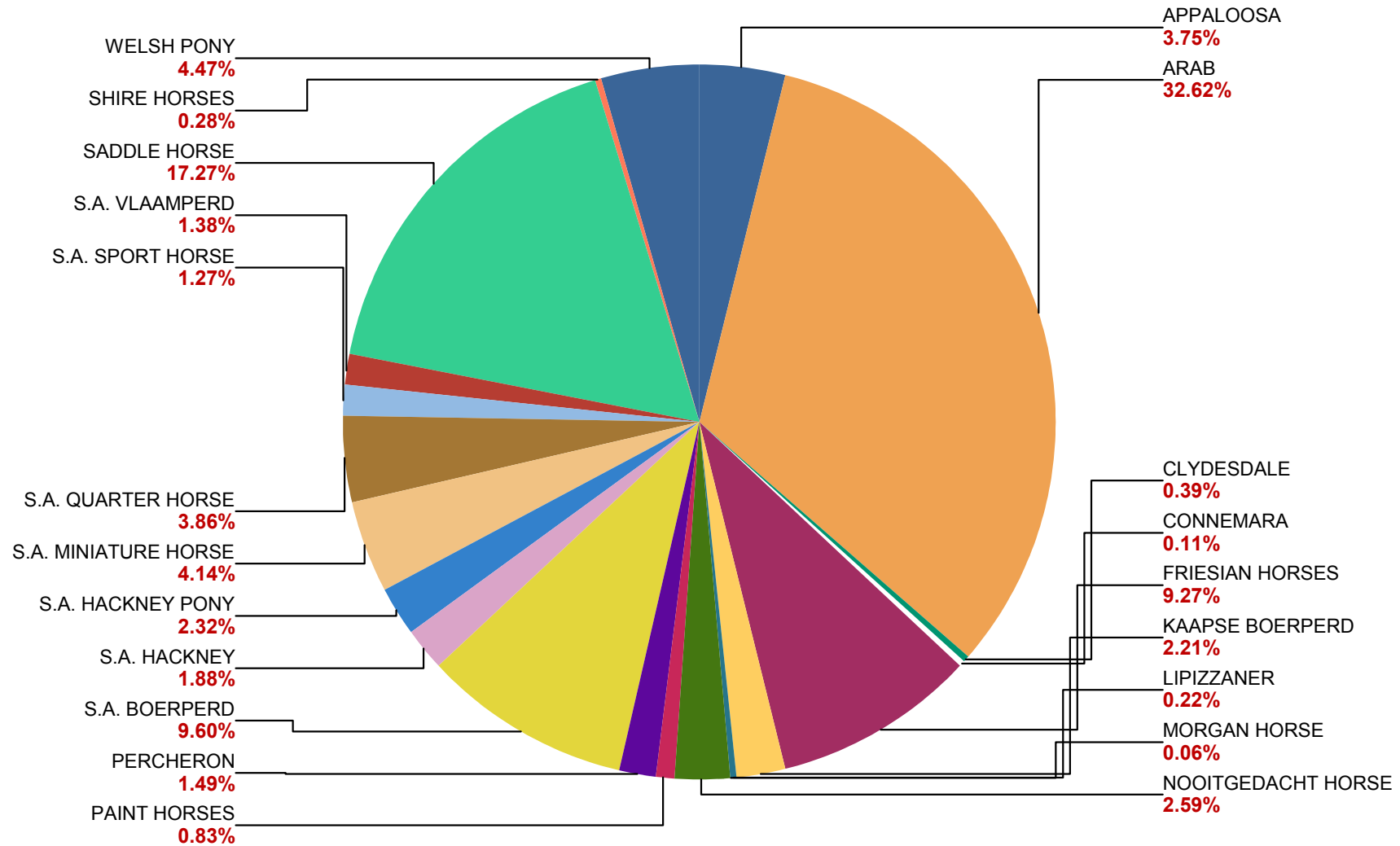
Table 15: Results of wool tests of ewes participating in Logix small stock as on 03/01/2016

Breed - SA	Traits											
	Number of animals	Body weight (kg)	ADG (g)	Staple length (mm)	Crude Fleece Weight(kg)	Clean Fleece Weight(kg)	Clean Yield (%)	Fibre diameter (um)	Crimp	Standard deviation	Coefficient of variation	Comfort factor
DOHNE MERINO	17	52.2		84	5.39	3.57	67.92	19.0		3.14	16.69	99.41
MERINO	34	37.9		88	3.26	2.14	64.85	16.5		2.94	17.92	99.68
S.A. MUTTON MERINO	2	50.0		97	2.60	1.71	65.75	22.1	13.40	3.95	17.80	97.15
Total and averages:	53	43.0		87	3.78	2.49	65.89	18	13.40	3.04	17.51	99.49

Table 16: Number of horse breeders and animals registered at SA Stud Book as on 03/01/2016

Breed - SA	Number of participants				
	Herds	Stallions	Females	Geldings	Total
APPALOOSA	68	370	799	69	1238
ARAB	591	1926	4395	656	6977
CLYDESDALE	7	8	12		20
CONNEMARA	2	7	11	3	21
FRIESIAN HORSES	168	392	797	9	1198
KAAPSE BOERPERD	40	136	268	17	421
LIPIZZANER	4	42	46	4	92
MORGAN HORSE	1	8	12		20
NOOITGEDACHT HORSE	47	393	754	77	1224
PAINT HORSES	15	30	52		82
PERCHERON	27	60	133	13	206
S.A. BOERPERD	174	1031	2320	423	3774
SADDLE HORSE	313	1421	3034	589	5044
S.A. HACKNEY	34	124	192	1	317
S.A. HACKNEY PONY	42	138	178		316
S.A. MINIATURE HORSE	75	372	955	32	1359
S.A. QUARTER HORSE	70	180	471	58	709
S.A. SPORT HORSE	23	37	89	1	127
S.A. VLAAMPERD	25	68	130	10	208
SHIRE HORSES	5	6	6		12
WELSH PONY	81	293	422	19	734
Total and % Participation	1812	7042	15076	1981	24099

Horse breeders registered at SA Stud Book in 2015



Horses registered at SA Stud Book in 2015

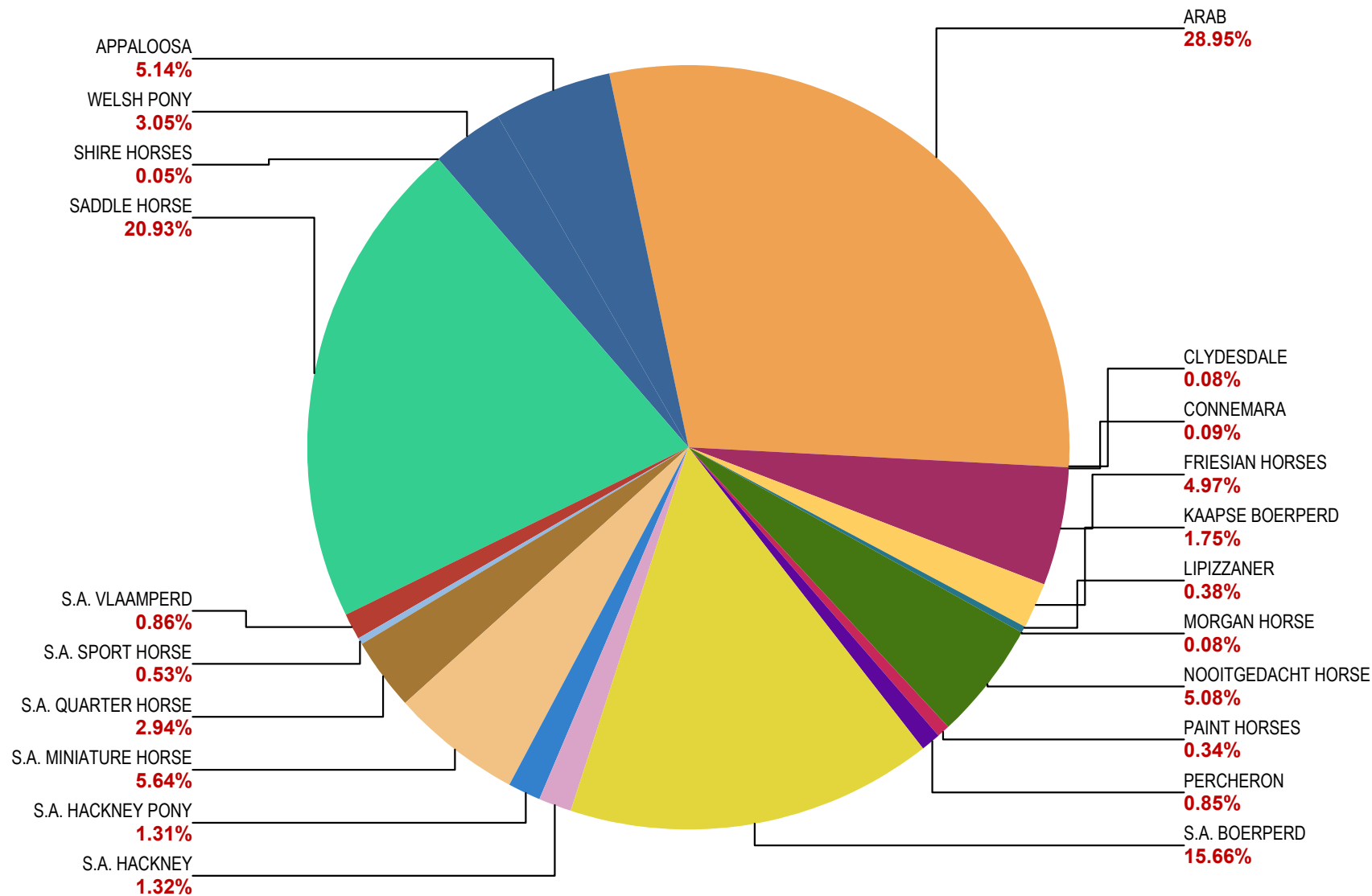


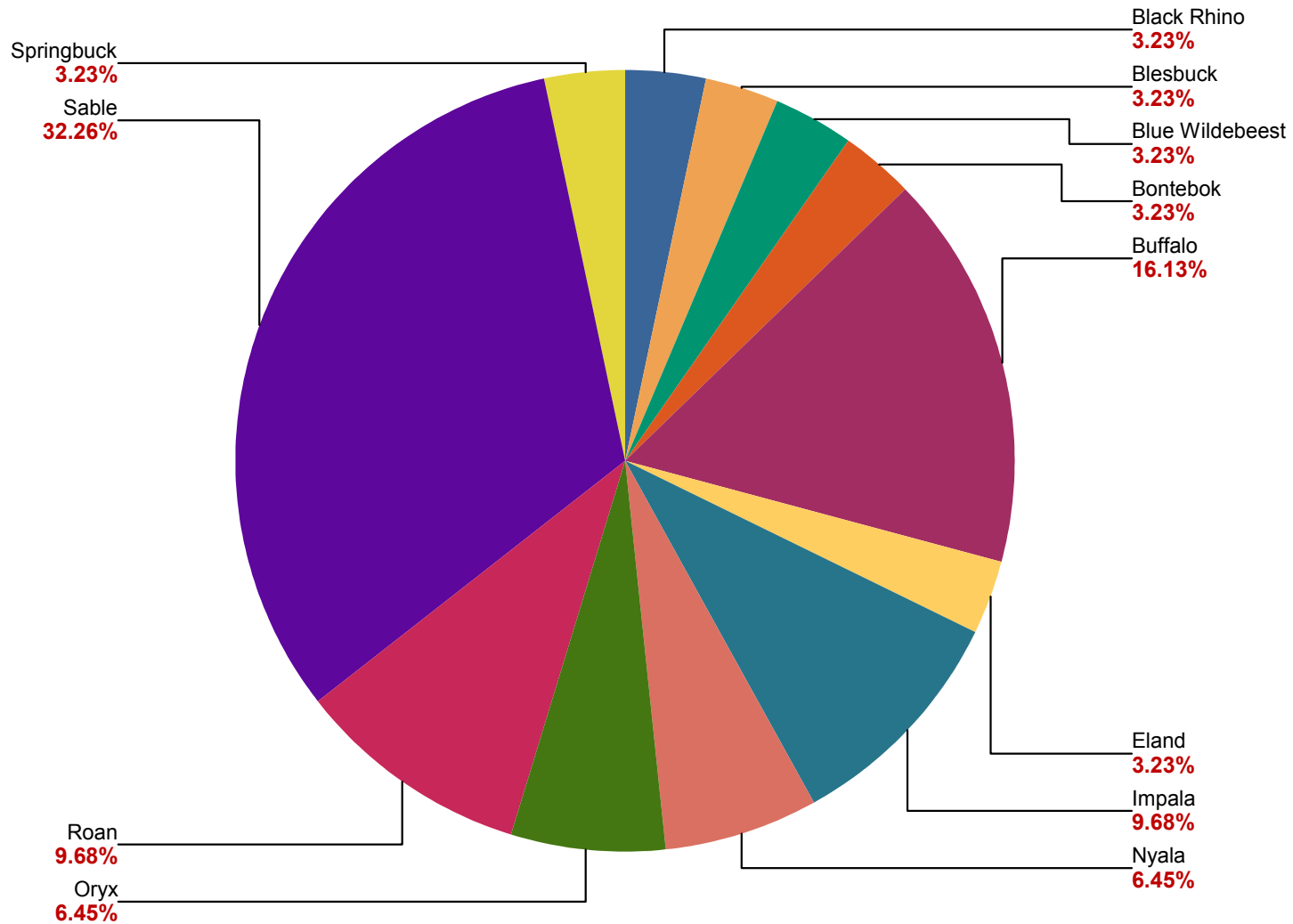
Table 17: Number of game breeders and animals registered and participating in Logix game as on 03/01/2016

Breed - SA	Number of participants			
	Herds	Males	Females	Total
Black Rhino	1			0
Blesbuck	1			0
Blue Wildebeest	1			0
Bontebok	1			0
Buffalo	5	7	6	13
Eland	1			0
Impala	3			0
Nyala	2			0
Oryx	2			0
Roan	3	39	70	109
Sable	10	307	273	580
Springbuck	1			0
Total and % Participation	31	353	349	702

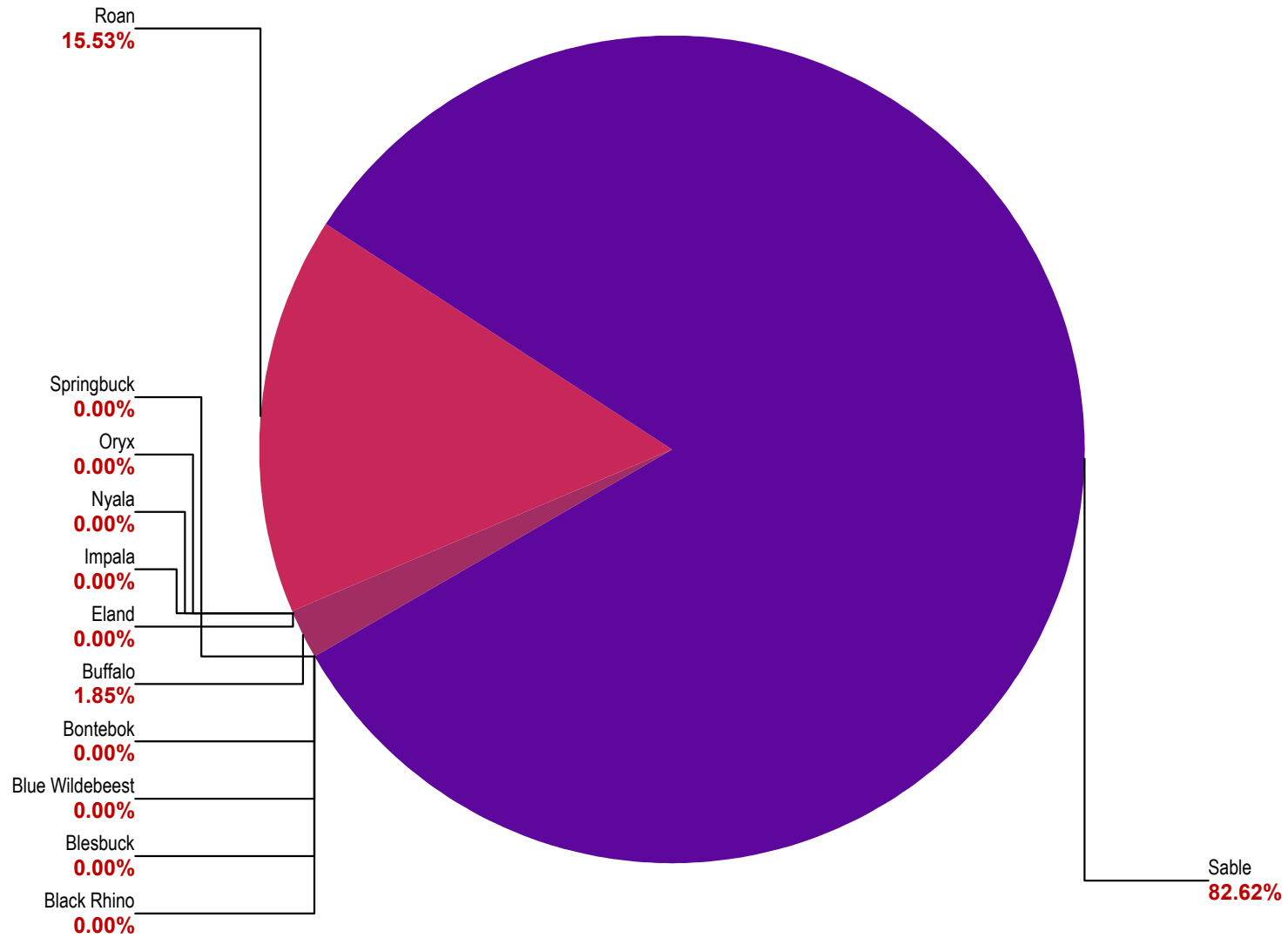
Table 18: Number of dog breeders and animals registered at SA Stud Book as on 03/01/2016

Breed - SA	Number of participants			
	Breeders	Dogs	Bitches	Total
BOERBOEL	458	1649	2696	4345
BOXER	73	121	152	273
GREYHOUND	56	502	704	1206
SA BOER-WINDHOND	43	93	158	251
Total and % Participation	630	2365	3710	6075

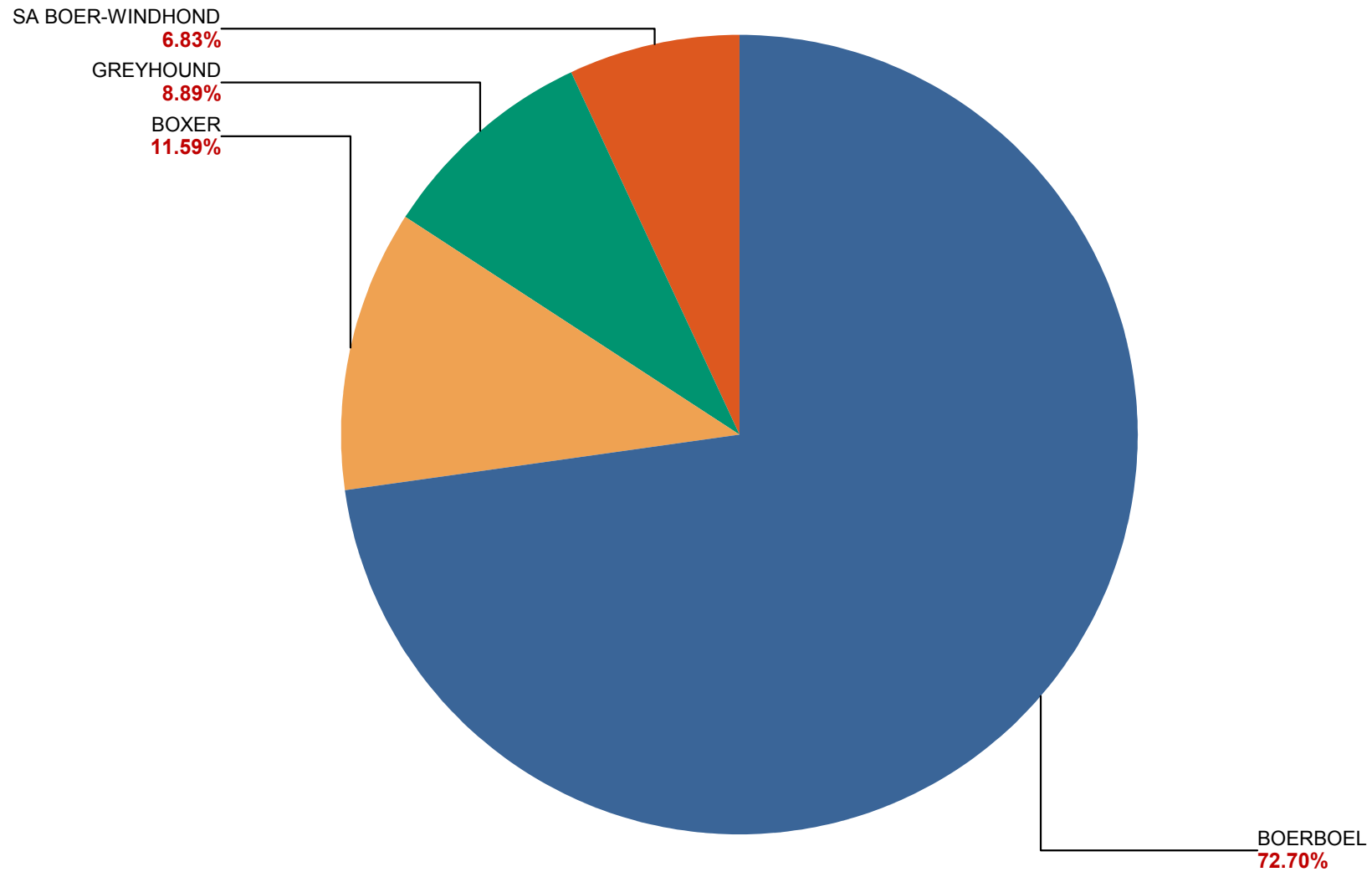
Game breeders participating in Logix Game in 2015



Animals participating in Logix Game in 2015



Dog breeders registered at SA Stud Book in 2015



Dogs registered at SA Stud Book in 2015

