ZIMBABWE

SECOND ROUND CROP AND LIVESTOCK ASSESSMENT REPORT 2016/2017 SEASON

MINISTER OF AGRICULTURE MECHANISATION AND IRRIGATION DEVELOPMENT 14 JUNE 2017

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1. EXECUTIVE SUMMARY CROPS

1.1 CROP PRODUCTION

1.1.1 The 2016/2017 maize production is estimated at **2 155 526Mt** from a total planted area of **1 875 297Ha**.

1.1.2 The estimated production is about **321%** more than the 2015/2016 season.

1.1.3 Average yield estimate is **1.15 t/ha** compared to **0.44t/ha** achieved in 2015/2016 season.

1.1.4 Cereal production (maize and small grains) is **2 443 119Mt** against a cereal requirement of **1 547 376Mt** for human consumption**.**

1.1.5 Cereal requirements for livestock are estimated at **350 000Mt.**

1.1.6 Tobacco production is estimated at **206 212million kgs** compared to **201 261million kgs** in 2015/2016 season

1.1.7 Cotton production is estimated at **126 995million kgs** compared to **32 885million kgs** in 2015/2016 season

1.1.8 Soya bean production is estimated at **35 744Mt** compared to **47 832Mt** in 2015/2016 season

1.2 PESTS AND DISEASES

1.2.1 Fall armyworm and armoured crickets were the major pests in the 2016/2017 season.

1.2.2 Of the area under maize, **8%** was affected while 2% was damaged by the fall armyworm in the 2016/2017 season.

1.2.3 Crops were affected at early vegetative stage to early reproductive stage across provinces. However after effective spraying of chemicals the maize crop resumed growth.

1.2.4 There was an increase in amoured crickets which in some instances causes total write-off. Incidences were reported in Lower Muzarabani, Rushinga, and Mt. Darwin. Mudzi, and all districts in Matabeleland South districts as well as other provinces.

1.2.5 There are high incidences of cob rots due to the effects of fall armyworm and incessant rains

1.3 FLOODING

1.3.1 Floods were experienced in parts of Matabeleland North and South, Midlands, and Masvingo provinces

1.3.2 Districts affected were Beitbridge, Bulilima, Gwanda , Mberengwa, Tsholotsho

1.3.3 **4%** of the area under cereals was written off due to flooding

1.3.4 162 cattle, 331 goats, 20 donkeys, 1 024 chicken deaths were reported.

1.4 FOOD CROP PRODUCTION ESTIMATES (MT)

TABLE 1: FOOD CROP PRODUCTION ESTIMATES (MT)

Crop	**2016/17**	2015/16	%
Maize	**2 155 526**	511 816	321
Sorghum	**182 012**	36 305	401
Pearl Millet	**82 663**	22 539	267
Finger Millet	**24 107**	17 613	37
Irish Potato	**476 088**	438 354	9
Groundnut	**139 503**	73 709	89
Round Nut	**59 099**	13 822	328
Sweet Potato	**513 070**	203 697	152
Sugar Beans	**15 356**	12 742	21
Cowpeas	**35 895**	14 026	156
Cucurbits(Pumpkins, Squash, Marrows, Melons and Butternuts)	**69 487**	33 700	106
Cabbages and Leaf Vegetables	**394 218**	360 200	9
Tomato	**354 603**	341 649	4
Onion	**178 290**	165 470	8

TABLE 2: CEREAL GRAIN, TUBERS, PULSES AND OTHER CROPS PRODUCTION COMPARED TO NATIONAL REQUIREMENTS (MT)

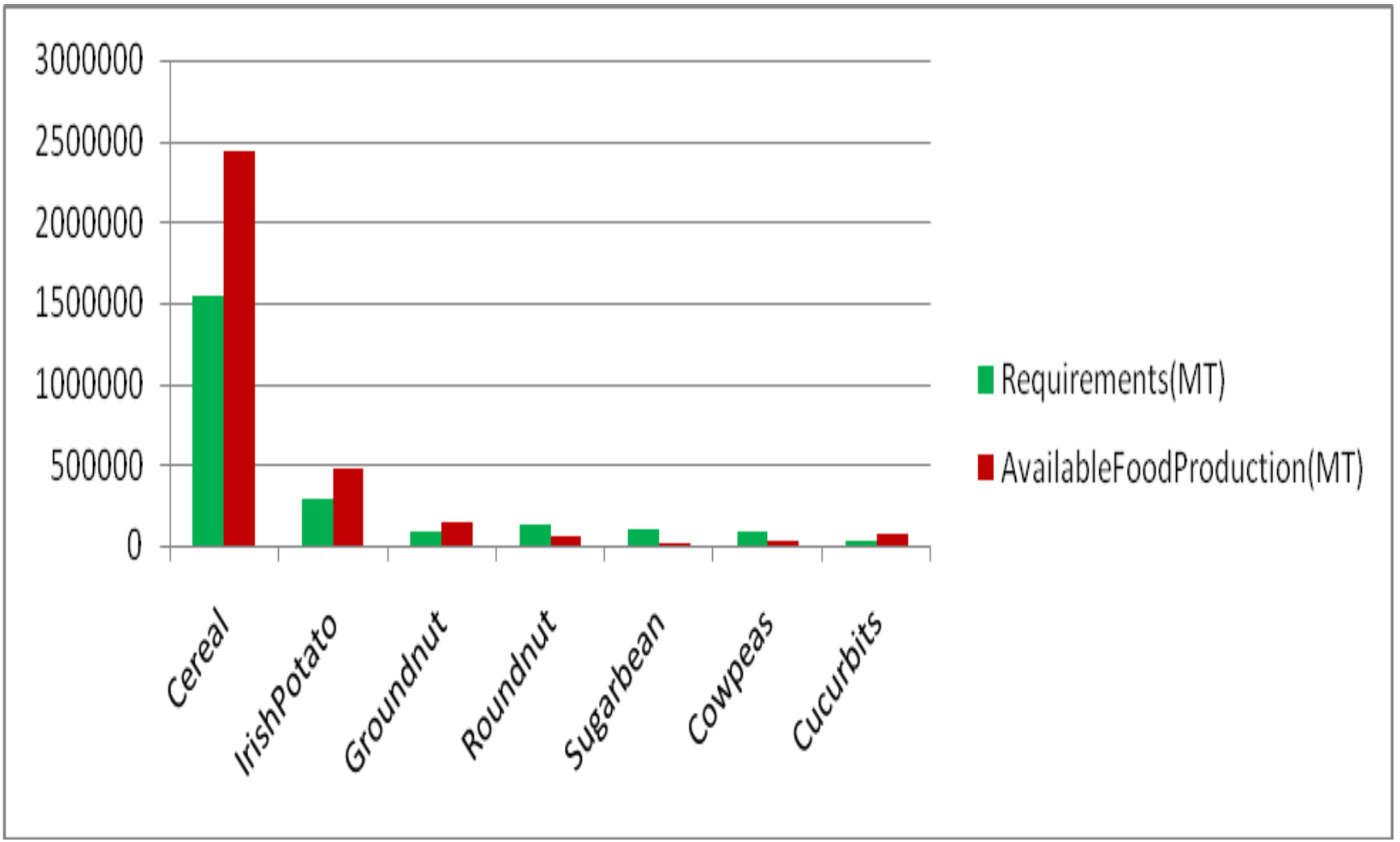
Crop	Requirements (MT)	Available Food Production (MT)	Surplus/Deficits (MT)
[1]Cereal (Maize, sorghum, pearl and finger millet)	1 568 725	2 443 119	874 394
[2]Irish Potato	285 223	476 088	190 865
[2]Groundnut	99 828	139 503	39 675
[2]Roundnut	128 350	59 099	-69 251
[2]Sugarbean	99 828	15 356	-84 472
[2]Cowpeas	85 567	35 895	-49 672
[2]Sweet Potato	299 484	513 070	213 586
[2]Cucurbits (Pumpkins, Squash and Marrows, Melons and Watermelons)	28 522	69 487	40 965
Total	2 595 527	3 751 617	1 156 090

[1]Cereal requirement is computed from a consumptions rate of 110kg/year and a national population (2012 Census factoring in growth rate) of **14 261 136***(consumption range being 100-140kg/person/year).*

[2]Other crops requirement is based on 2100Kcal requirement per person per day and calculated from the ZimVac Household Economy Approach Baseline Survey 2009/10 for 25 Livelihood Zones across Zimbabwe. Irish potato 20kg/person/year, Groundnuts 7kg/person/year, Roundnuts 9kg/person/year, Sweet potato 21kg/person/year, Sugarbeans 7kg/person/year, Cowpeas 6kg/person/year, Cucurbits 2kg/person/year

The above requirements are for human consumption. Cereal requirements for livestock are estimated at 350 000Mt.

FIGURE 1: CEREAL GRAIN, TUBERS, PULSES AND OTHER CROPS PRODUCTION COMPARED TO NATIONAL REQUIREMENTS



1.5 CEREAL SUFFICIENCY BY DISTRICT

TABLE 3: CEREAL SUFFICIENCY (MONTHS) FOR DISTRICTS

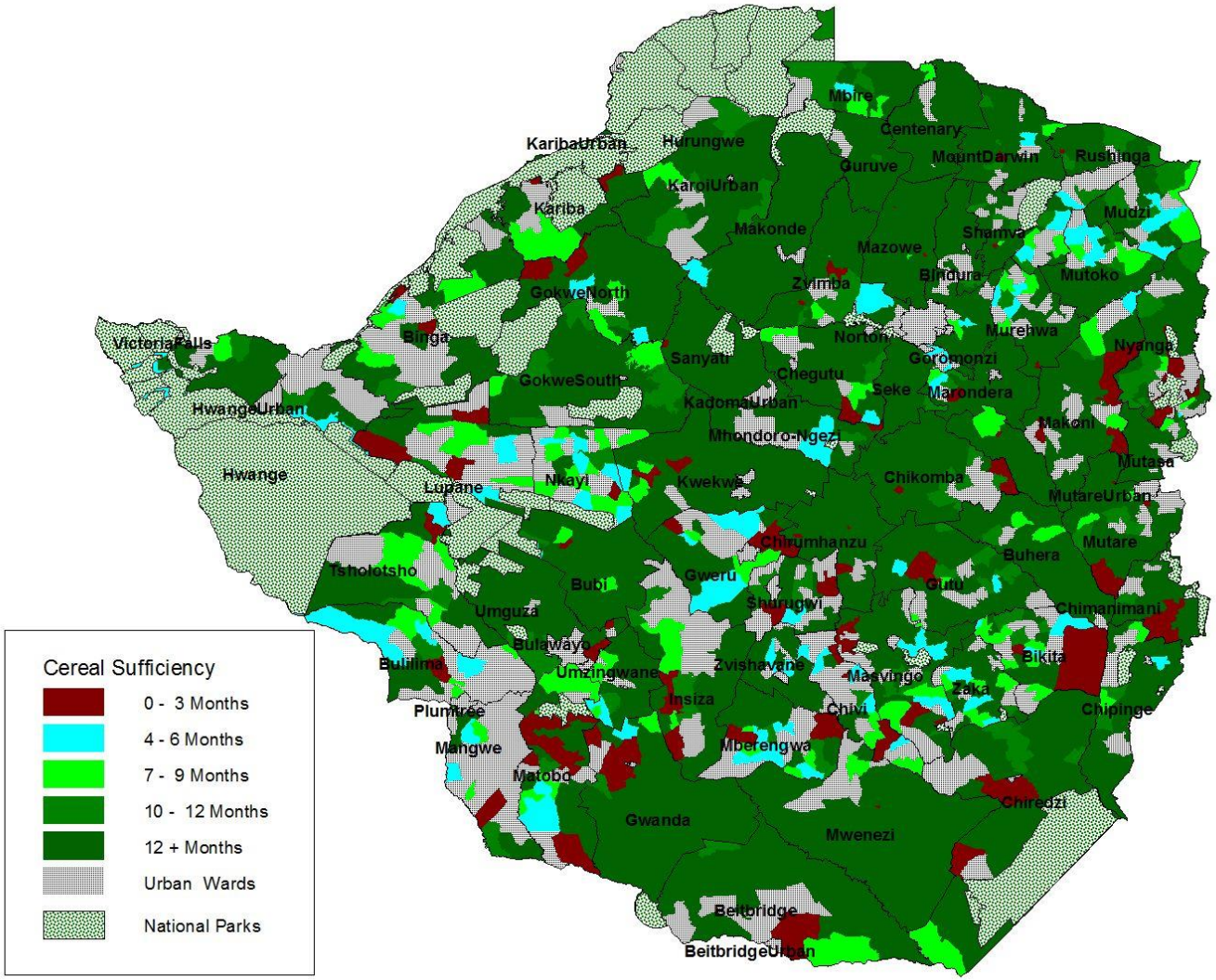
Province	0-3 Months	4-6 Months	7-9 Months	10-12 Months	More than 12 months
Mashonaland West				Mhondoro- Ngezi Kariba	Makonde Zvimba, Chegutu Sanyati, Hurungwe
Mashonaland Central					Rushinga, Mt Darwin Mbire, Muzarabani Shamva, Mazowe Guruve, Bindura
Mashonaland East				UMP, Mudzi	Chikomba, Seke Goromonzi, Hwedza, Marondera, Murehwa, Mutoko
Manicaland					Chipinge, Buhera , Mutare, Nyanga, Chimanimani, Makoni, Mutasa
Midlands		Gweru	Shurugwi Mberengwa		Gokwe North, Gokwe South Kwekwe, Chirumhanzu, Zvishavane
Masvingo		Chivi	Bikita		Chiredzi, Gutu Masvingo, Mwenezi Zaka
Matabeleland North		Hwange	Nkayi	Lupane Tsholotsho	Umguza, Binga Bubi
Matabeleland South			Beit-Bridge	Mangwe Bulilima	Gwanda Umzingwane Matobo

1.6 CEREAL (MAIZE AND SMALL GRAINS) PRODUCTION VERSUS REQUIREMENT BY PROVINCE

TABLE 4: CEREAL (MAIZE AND SMALL GRAINS) SUFFICIENCY FOR PROVINCES

Province	Population	Production(Mt)					(Mt)	
		Maize	Sorghum	Pearl millet	Finger millet	Total Cereal	Requirement	Surplus/deficit
Manicaland	**1 874 062**	267 369	**36 291**	19 455	**5 550**	**328 666**	206 147	**122 519**
Mashonaland Central	**1 231 796**	455 666	**31 123**	2 021	**170**	**488 980**	135 498	**353 482**
Mashonaland East	**1 479 369**	274 491	**11 581**	3 096	**3 056**	**292 224**	162 731	**129 493**
Mashonaland West	**1 604 262**	543 622	**3 705**	49	**727**	**548 103**	176 469	**371 634**
Masvingo	**1 775 502**	150 938	**41 213**	22 480	**10 632**	**224 074**	195 305	**28 769**
Matabeleland North	**770 473**	67 759	**13 492**	19 412	**148**	**100 812**	84 752	**16 060**
Matabeleland South	**705 856**	74 287	**22 607**	11 065	**339**	**108 298**	77 644	**30 654**
Midlands	**1 722 291**	321 394	**21 998**	5 085	**3 485**	**351 962**	189 452	**162 510**
Harare	**2 369 488**	0	**0**	0	**0**	**0**	260 644	**-260 644**
Bulawayo	**728 037**	0	**0**	0	**0**	**0**	80 083	**-80 083**
Total	**14 261 136**	**2 155 526**	**182 010**	**82 663**	**24 107**	**2 443 119**	**1 568 725**	**874 394**

FIG 2: CEREAL (MAIZE AND SMALL GRAINS) SUFFICIENCY FOR RURAL WARDS



1.7 PRODUCTION ESTIMATES FOR CASH CROPS (MT)

TABLE 5: PRODUCTION ESTIMATES FOR CASH CROPS (MT)

CROP	**2016/17**	2015/16	%
Tobacco	**206 212**	201 261	2
Cotton	**126 995**	32 885	286
Soya bean	**35 744**	**47 832**	-25
Banana	**252 376**	229 286	10
Citrus	**198 058**	193 760	2
Apples	**3 250**	4 149	-22
Mango	**95 475**	99 060	-4
Macadamia	**5 721**	5 658	1
Tea	**7 830**	10 166	-23
Coffee	**500**	455	10
Sugarcane	**5 562 674**	5 440 560	2

2. CROP PRODUCTION

2.1 MAIZE

TABLE 6: MAIZE PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**543 622**	143 573	279
Mashonaland Central	**455 666**	110 316	313
Mashonaland East	**274 491**	89 338	207
Manicaland	**267 369**	71 774	273
Midlands	**321 394**	52 049	517
Masvingo	**150 938**	11 818	1 177
Matabeleland North	**67 759**	15 155	347
Matabeleland South	**74 287**	17 793	318
Total	**2 155 526**	511 816	321

FIGURE 3: MAIZE PRODUCTION (MT) BY PROVINCE

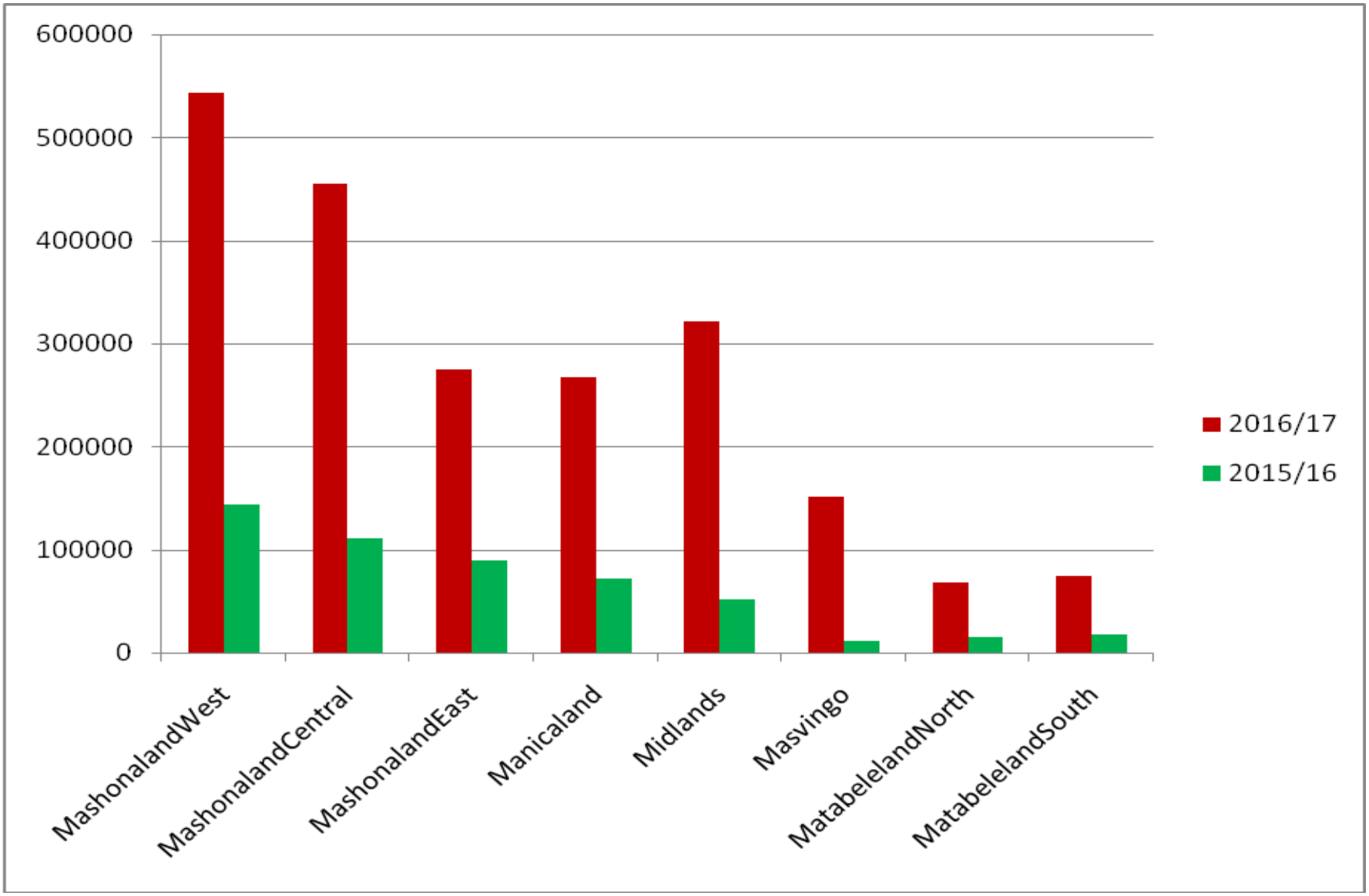


TABLE 7: MAIZE YIELD (MT/HA) BY PROVINCE

PROVINCE	2016/17	2015/16	%
Mashonaland West	**1.95**	0.71	175
Mashonaland Central	**1.98**	0.72	175
Mashonaland East	**1.26**	0.61	107
Manicaland	**1.01**	0.39	159
Midlands	**0.82**	0.25	228
Masvingo	**0.62**	0.10	520
Matabeleland North	**0.53**	0.20	165
Matabeleland South	**0.63**	0.26	142
Average	**1.15**	0.44	161

TABLE 8: MAIZE AREA (HA) BY PROVINCE

PROVINCE	2016/17	2015/16	%
Mashonaland West	**279 456**	202 898	38
Mashonaland Central	**229 917**	154 041	49
Mashonaland East	**218 559**	146 796	49
Manicaland	**264 695**	188 460	40
Midlands	**392 777**	209 417	88
Masvingo	**245 178**	123 320	99
Matabeleland North	**127 184**	76 276	67
Matabeleland South	**117 531**	60 789	93
Total	**1 875 297**	1 161 997	61

TABLE 9: SECTORAL CONTRIBUTION TO MAIZE PRODUCTION (MT)

Sector	Production (Mt)		%	Contribution (%)	
	2016/17	2015/16		**2016/17**	2015/16
CA	**770 862**	166 216	364	**36**	32
OR	**147 068**	40 359	264	**7**	8
SSCA	**64 538**	14 893	333	**3**	3
A1	**521 588**	122 358	326	**24**	24
A2	**643 790**	162 665	296	**30**	32
Peri-urban	**7 680**	5 325	44	**0**	1
Total	**2 155 526**	511 816	321	**100**	100

Figure 4a: MAIZE PRODUCTION BY SECTOR 2016/17

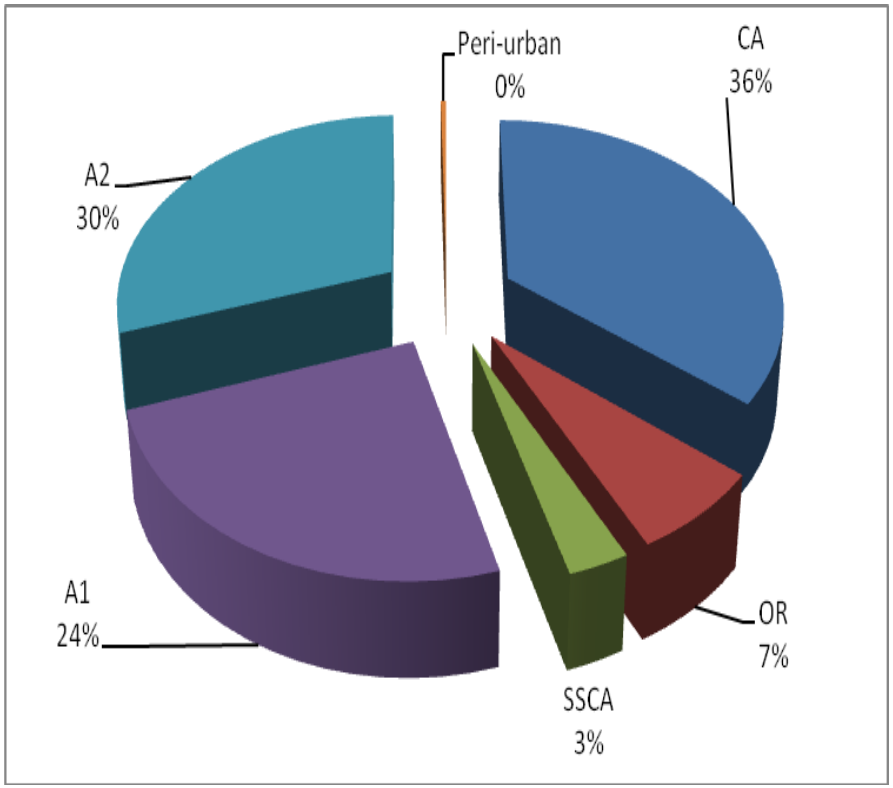


Figure 4b: MAIZE PRODUCTION BY SECTOR 2015/16

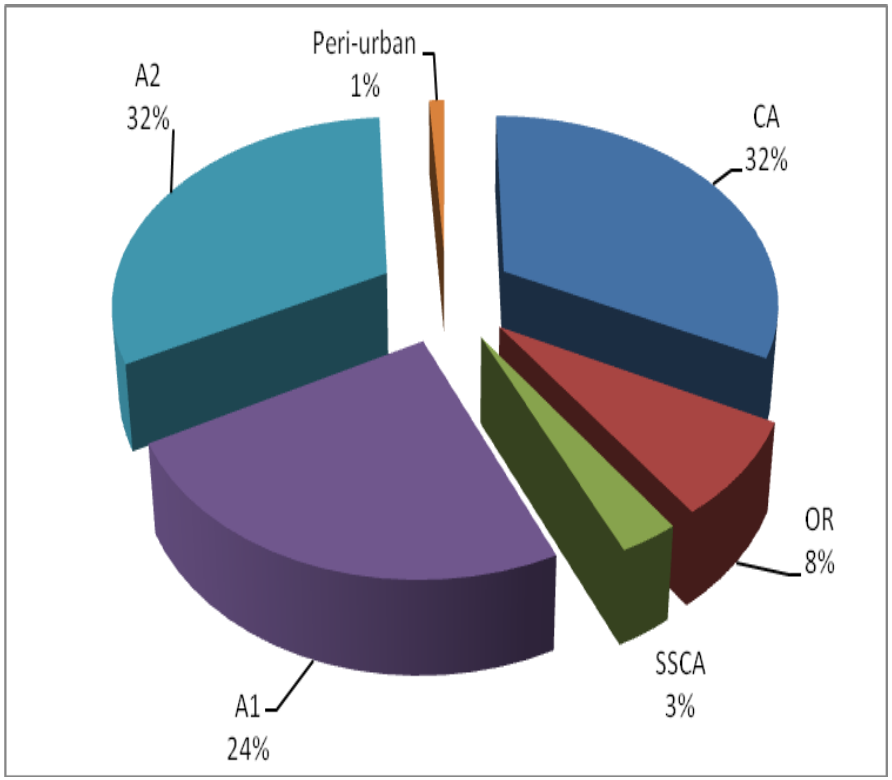


TABLE 10: AVERAGE MAIZE YIELDS BY FARMING SECTOR (MT/HA)

Sector	**2016/17**	2015/16	**%**
CA	**0.68**	0.24	183
OR	**0.95**	0.37	157
SSCFA	**1.12**	0.42	167
A1	**1.46**	0.56	161
A2	**3.78**	1.80	110
Peri-Urban	**1.93**	0.44	339

FIGURE 5: AVERAGE MAIZE YIELDS BY FARMING SECTOR (MT/HA)

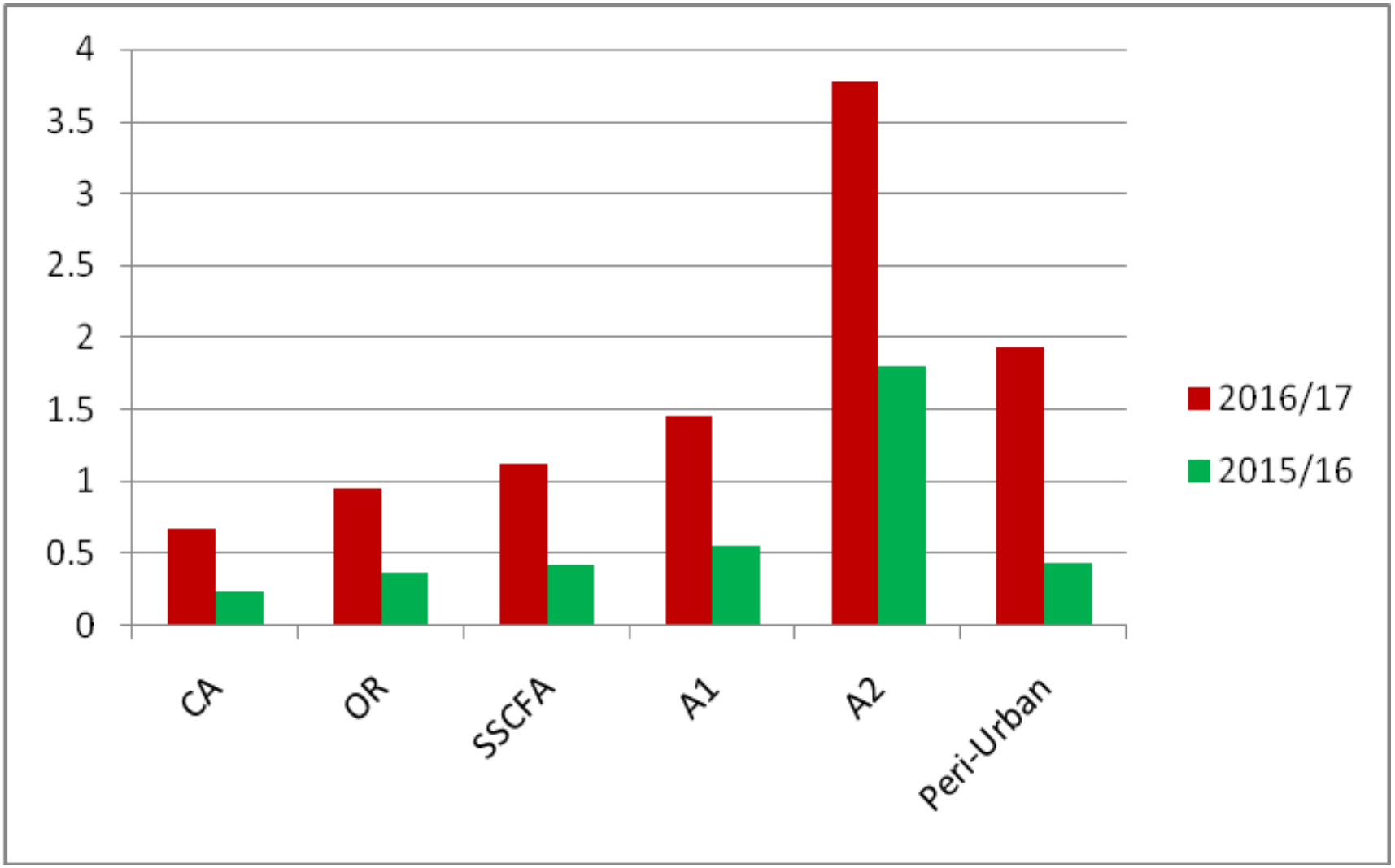
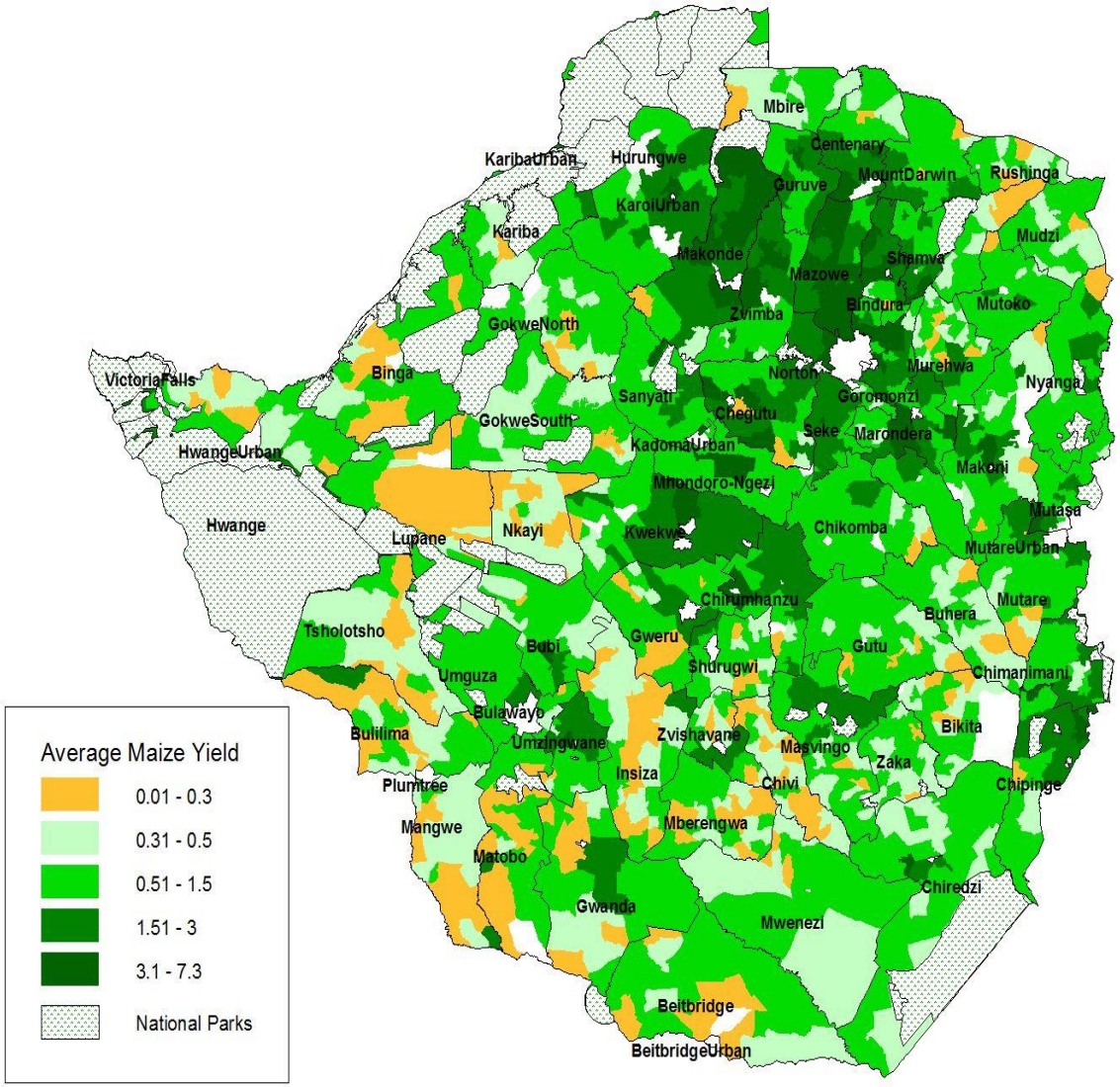


FIGURE 6: NATIONAL MAIZE AVERAGE



2.2 SORGHUM

TABLE 11: SORGHUM PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**3 705**	4 280	-13
Mashonaland Central	**31 123**	3 351	829
Mashonaland East	**11 581**	1 923	502
Manicaland	**36 293**	5 684	539
Midlands	**21 998**	10 220	115
Masvingo	**41 213**	2 358	1 648
Matabeleland North	**13 492**	5 385	151
Matabeleland South	**22 607**	3 104	628
Total	**182 012**	36 305	401

FIGURE 7: SORGHUM PRODUCTION (MT) BY PROVINCE

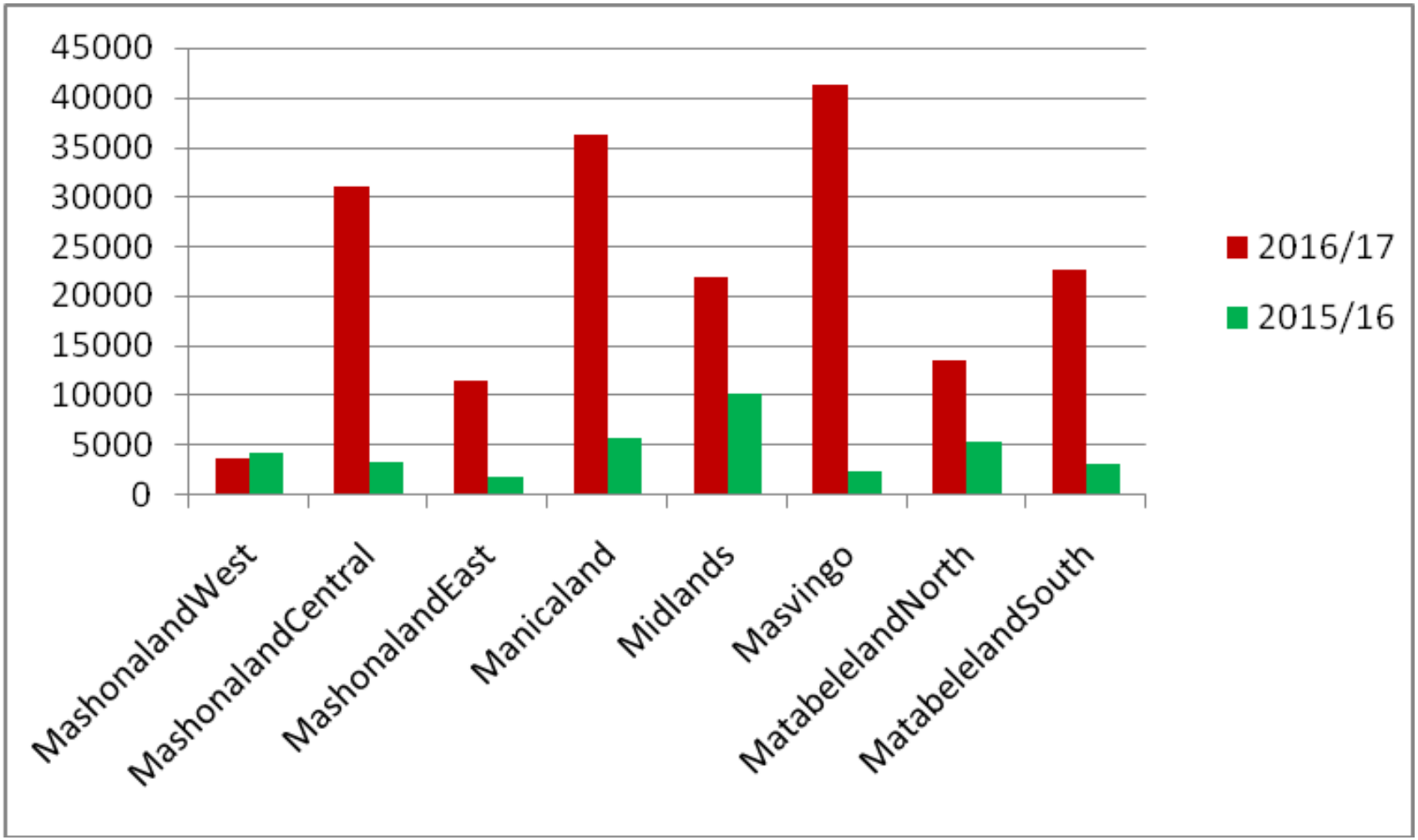


TABLE 12: SORGHUM YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**0.61**	0.47	30
Mashonaland Central	**0.68**	0.15	353
Mashonaland East	**0.54**	0.20	170
Manicaland	**0.68**	0.13	423
Midlands	**0.59**	0.26	127
Masvingo	**0.44**	0.11	300
Matabeleland North	**0.52**	0.22	136
Matabeleland South	**0.48**	0.14	243
Average	**0.57**	0.19	200

TABLE 13: SORGHUM AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	**%**
Mashonaland West	**5 440**	9 101	-40
Mashonaland Central	**45 866**	21 790	110
Mashonaland East	**21 637**	9 679	124
Manicaland	**59 174**	42 196	40
Midlands	**45 491**	39 053	16
Masvingo	**69 407**	21 702	220
Matabeleland North	**30 703**	24 440	26
Matabeleland South	**43 772**	22 437	95
Total	**321 490**	190 398	69

2.3 PEARL MILLET

TABLE 14: PEARL MILLET PRODUCTION (MT) BY PROVINCE

	2016/17	2015/16	%
Mashonaland West	**49**	51	-4
Mashonaland Central	**2 021**	440	359
Mashonaland East	**3 096**	494	527
Manicaland	**19 455**	5 458	256
Midlands	**5 085**	3 419	49
Masvingo	**22 480**	2 012	1 017
Matabeleland North	**19 412**	7 414	162
Matabeleland South	**11 065**	3 251	240
Total	**82 663**	22 539	267

FIGURE 8: PEARL MILLET PRODUCTION BY PROVINCE

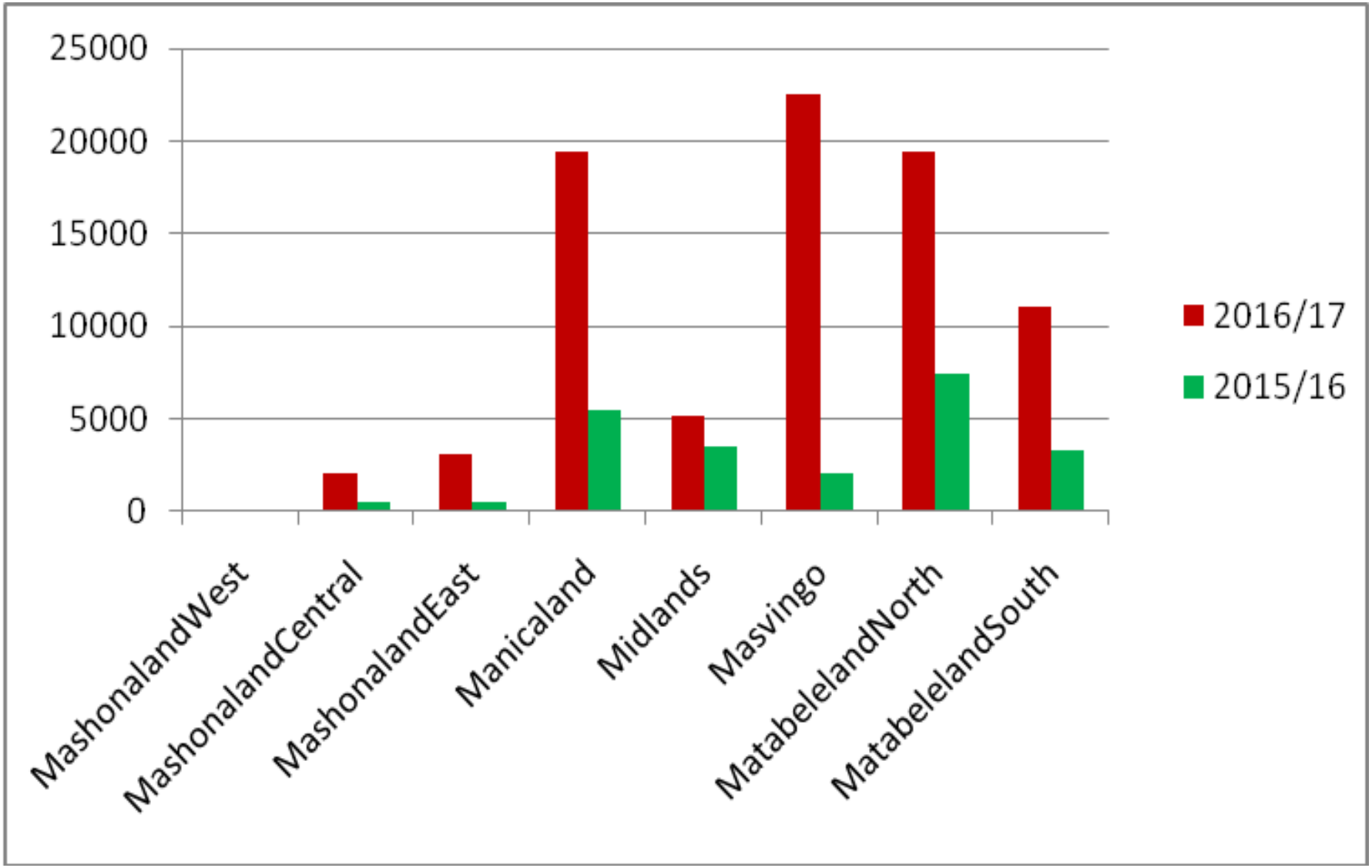


TABLE 15: PEARL MILLET YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**0.30**	0.23	30
Mashonaland Central	**0.43**	0.17	153
Mashonaland East	**0.40**	0.17	135
Manicaland	**0.50**	0.16	213
Midlands	**0.38**	0.25	52
Masvingo	**0.45**	0.09	400
Matabeleland North	**0.33**	0.20	65
Matabeleland South	**0.34**	0.13	162
Average	**0.40**	0.16	150

TABLE 16: PEARL MILLET AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**163**	220	-26
Mashonaland Central	**4 677**	2 526	85
Mashonaland East	**7 669**	2 948	160
Manicaland	**39 210**	33 830	16
Midlands	**13 378**	13 729	-3
Masvingo	**49 511**	21 834	127
Matabeleland North	**59 520**	37 530	59
Matabeleland South	**32 172**	25 089	28
Total	**206 300**	138 176	49

2.4 FINGER MILLET

TABLE 17: FINGER MILLET PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**727**	455	60
Mashonaland Central	**170**	126	35
Mashonaland East	**3 056**	2 097	46
Manicaland	**5 550**	4 903	13
Midlands	**3 485**	3 141	11
Masvingo	**10 632**	6 545	62
Matabeleland North	**148**	111	34
Matabeleland South	**339**	235	44
Total	**24 107**	17 613	37

FIGURE 9: FINGER MILLET PRODUCTION (MT) BY PROVINCE

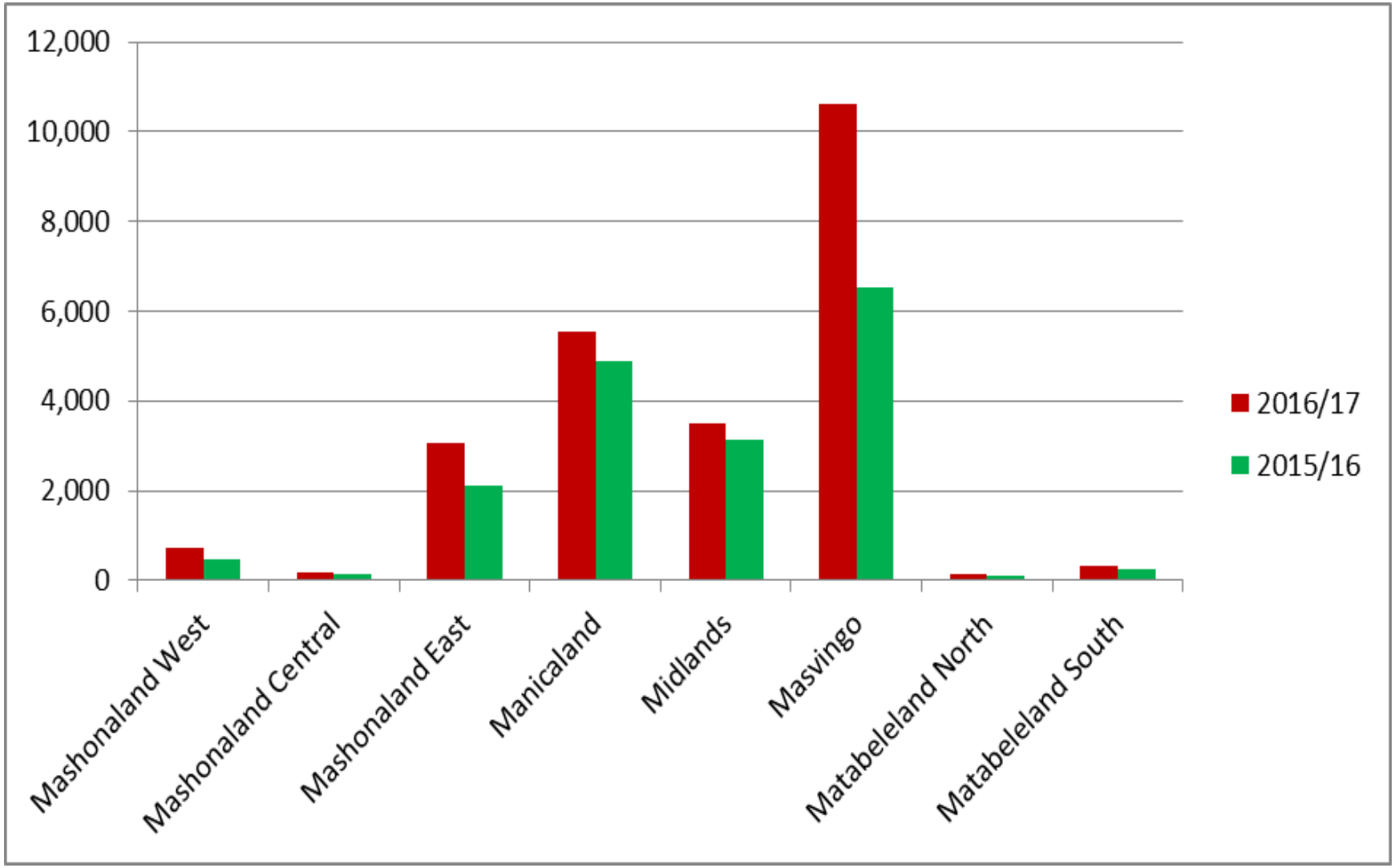


TABLE 18: FINGER MILLET YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**0.45**	0.36	27
Mashonaland Central	**0.39**	0.38	3
Mashonaland East	**0.45**	0.43	7
Manicaland	**0.45**	0.45	1
Midlands	**0.43**	0.41	4
Masvingo	**0.47**	0.34	38
Matabeleland North	**0.48**	0.40	20
Matabeleland South	**0.55**	0.47	17
Average	**0.46**	0.39	17

TABLE 19: FINGER MILLET AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**1 610**	1 281	26
Mashonaland Central	**435**	332	31
Mashonaland East	**6 723**	4 919	37
Manicaland	**12 243**	10 928	12
Midlands	**8 133**	7 590	7
Masvingo	**22 428**	19 084	18
Matabeleland North	**310**	279	11
Matabeleland South	**611**	496	23
Total	**52 493**	44 909	17

2.5 SUGARBEANS

TABLE 20: SUGARBEANS PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**1 137**	1 120	2
Mashonaland Central	**3 533**	3 220	10
Mashonaland East	**2 680**	2 113	27
Manicaland	**3 076**	1 997	54
Midlands	**4 334**	3 765	15
Masvingo	**412**	369	12
Matabeleland North	**26**	23	13
Matabeleland South	**158**	135	17
Total	**15 356**	12 742	69

FIGURE 10: SUGARBEANS PRODUCTION (MT) BY PROVINCE

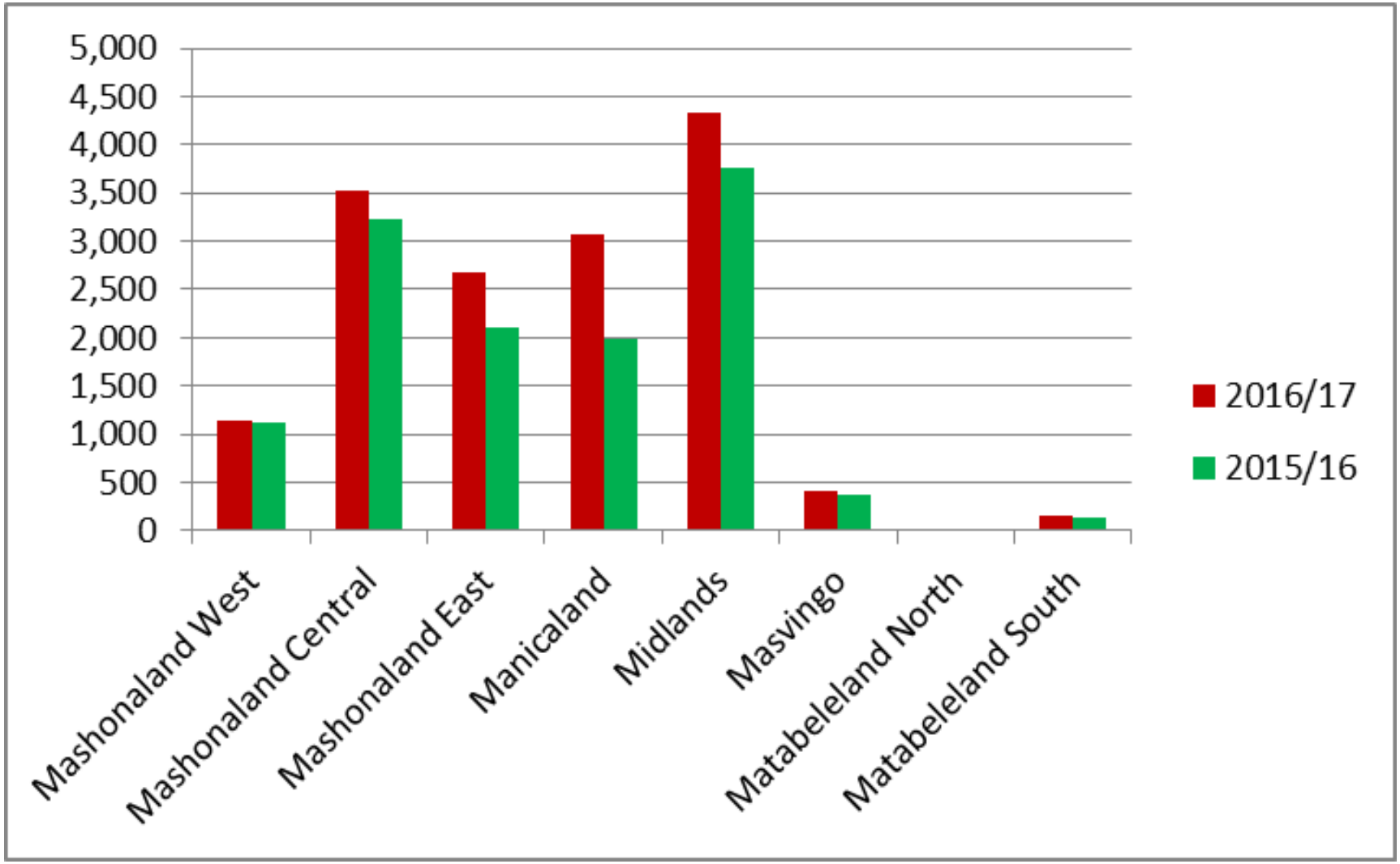


TABLE 21: SUGARBEANS YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**1.62**	1.57	3
Mashonaland Central	**1.26**	1.06	19
Mashonaland East	**1.54**	1.44	7
Manicaland	**1.92**	1.57	23
Midlands	**1.83**	1.71	7
Masvingo	**2.26**	2.10	7
Matabeleland North	**6.42**	5.13	25
Matabeleland South	**2.56**	2.33	10
Total	**1.68**	1.49	12

TABLE 22: SUGARBEANS AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland Central	**4 462**	3 423	30
Mashonaland East	**4 115**	3 039	35
Manicaland	**5 917**	3 129	89
Midlands	**7 915**	6 445	23
Masvingo	**930**	776	20
Matabeleland North	**167**	118	42
Matabeleland South	**404**	315	28
Total	**25 751**	19 002	36

2.6 GROUNDNUTS

TABLE 23: GROUNDNUTS PRODUCTION (MT) BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**7 583**	3 630	109
Mashonaland Central	**30 424**	10 968	177
Mashonaland East	**20 948**	15 747	33
Manicaland	**25 894**	13 686	89
Midlands	**20 917**	12 815	63
Masvingo	**23 454**	11 468	105
Matabeleland North	**2 501**	1 983	26
Matabeleland South	**7 782**	3 412	128
Total	**139 503**	73 709	89

FIGURE 11: GROUNDNUTS PRODUCTION (MT) BY PROVINCE

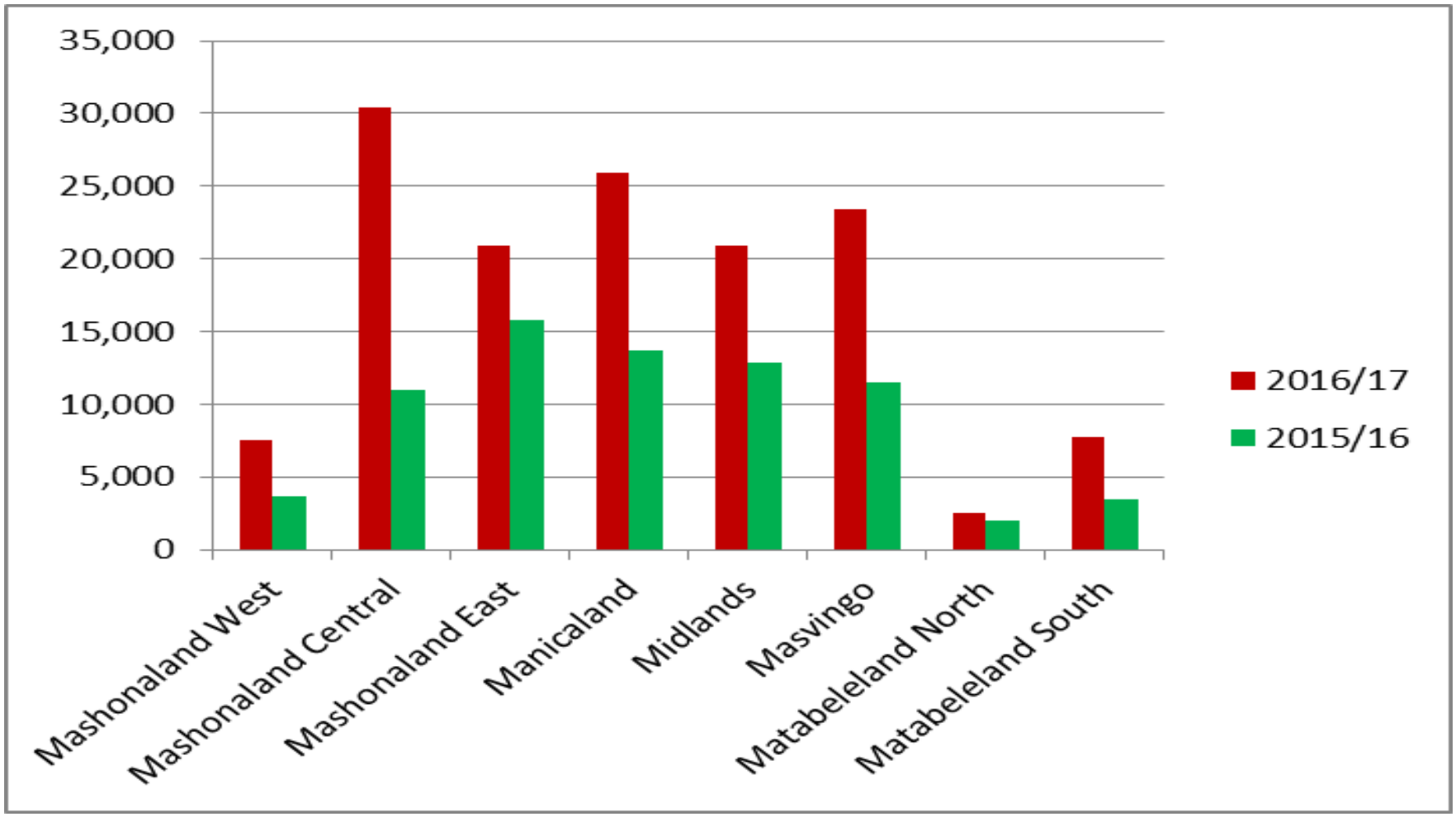


TABLE 24: GROUNDNUTS YIELD (MT/HA) BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**0.60**	0.20	198
Mashonaland Central	**0.70**	0.31	125
Mashonaland East	**0.62**	0.57	8
Manicaland	**0.63**	0.45	39
Midlands	**0.46**	0.34	34
Masvingo	**0.50**	0.44	13
Matabeleland North	**0.42**	0.41	2
Matabeleland South	**0.67**	0.55	22
Total	**0.58**	0.40	46

TABLE 25: GROUNDNUTS AREA (HA) BY PROVINCE

PROVINCE	2016/17	2015/16	%
Mashonaland West	**12 607**	17 984	-18
Mashonaland Central	**43 473**	35 250	24
Mashonaland East	**34 026**	27 716	24
Manicaland	**41 248**	30 368	37
Midlands	**45 814**	37 596	22
Masvingo	**47 030**	25 938	81
Matabeleland North	**5 910**	4785	24
Matabeleland South	**11 579**	6213	88
Total	**241 687**	185 850	32

2.7 SWEET POTATO

TABLE 26: SWEET POTATO PRODUCTION (MT) BY PROVINCE

PROVINCE	2016/17	2015/16	%
Mashonaland West	**142885**	23 745	502
Mashonaland Central	**80 772**	23 115	249
Mashonaland East	**41 033**	45 191	-9
Manicaland	**60 021**	39 328	53
Midlands	**103 492**	45 654	127
Masvingo	**62 868**	22 259	182
Matabeleland North	**1 268**	981	29
Matabeleland South	**20 731**	3 424	505
Total	**513 070**	203 697	152

FIGURE 12: SWEET POTATO PRODUCTION (MT) BY PROVINCE

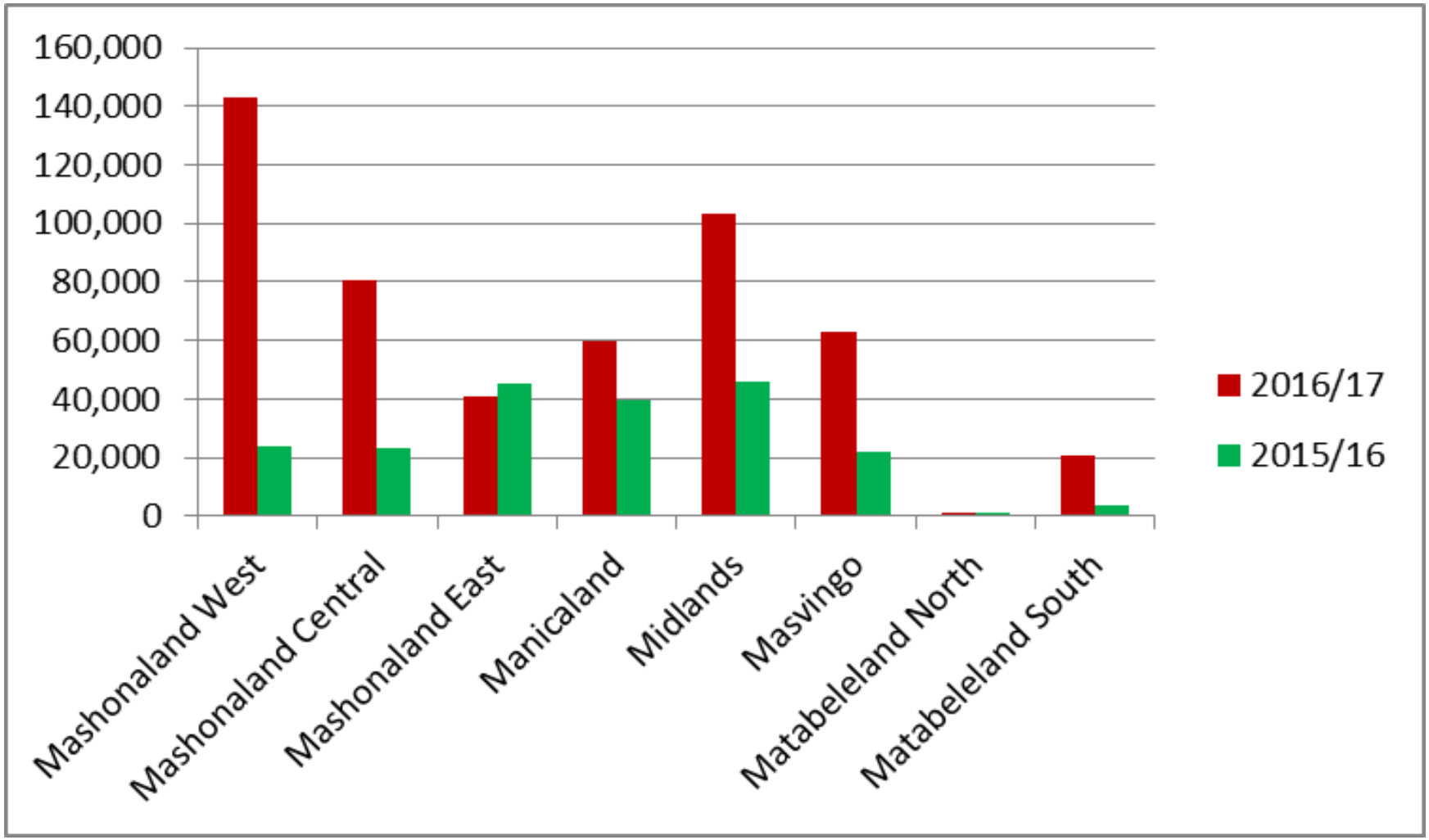


TABLE 27: SWEET POTATO YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**12.39**	8.82	40
Mashonaland Central	**19.57**	8.77	123
Mashonaland East	**7.55**	9.38	-20
Manicaland	**10.46**	10.65	-2
Midlands	**7.32**	6.46	13
Masvingo	**8.28**	8.84	-6
Matabeleland North	**7.16**	9.34	-23
Matabeleland South	**13.67**	7.85	74
Total	**10.21**	8.50	20

TABLE 28: SWEET POTATO AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**11 531**	2 691	329
Mashonaland Central	**4 128**	2 636	57
Mashonaland East	**5 435**	4 817	13
Manicaland	**5 739**	3 693	55
Midlands	**14 142**	7 069	100
Masvingo	**7 594**	2 518	202
Matabeleland North	**177**	105	69
Matabeleland South	**1 516**	436	248
Total	**50 262**	23 965	110

2.8 ROUND NUT

TABLE 29: ROUND NUT PRODUCTION (MT) BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**1 210**	738	64
Mashonaland Central	**2 657**	335	693
Mashonaland East	**4 931**	1 843	168
Manicaland	**14 726**	3 774	290
Midlands	**10 261**	2 214	363
Masvingo	**21 283**	3 598	492
Matabeleland North	**1 433**	618	132
Matabeleland South	**2 598**	702	270
Total	**59 099**	13 822	328

FIGURE 11: ROUND NUT PRODUCTION (MT) BY PROVINCE

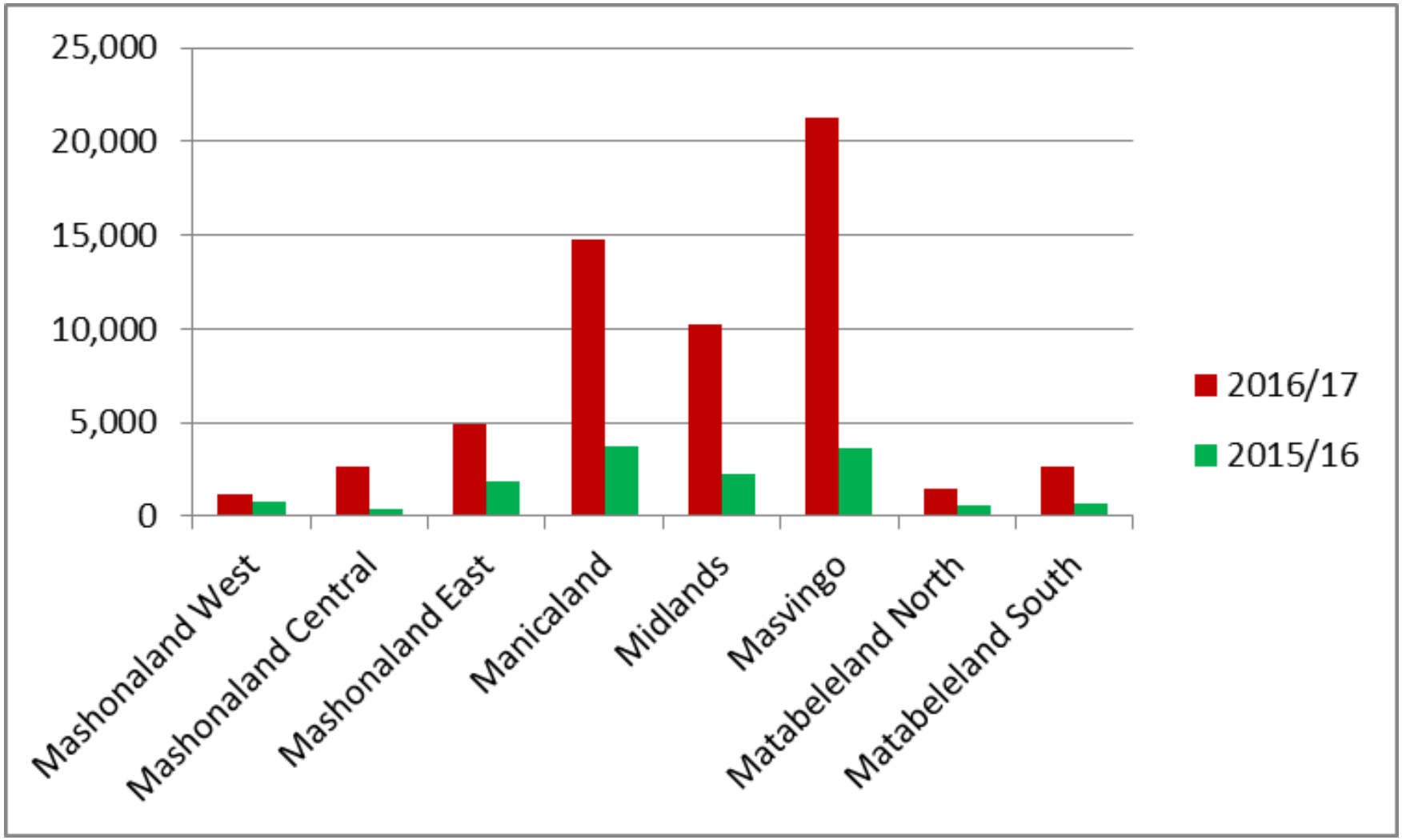


TABLE 30: ROUND NUT YIELD (MT/HA) BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**0.42**	0.28	50
Mashonaland Central	**0.46**	0.29	59
Mashonaland East	**0.47**	0.29	62
Manicaland	**0.51**	0.19	168
Midlands	**0.45**	0.18	150
Masvingo	**0.46**	0.24	92
Matabeleland North	**0.34**	0.23	48
Matabeleland South	**0.45**	0.24	88
Total	**0.46**	0.22	109

TABLE 31: ROUNDNUT AREA (HA) BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**2 884**	2 652	9
Mashonaland Central	**5 737**	1 155	397
Mashonaland East	**10 497**	6 362	65
Manicaland	**29 089**	19 433	50
Midlands	**22 709**	11 973	90
Masvingo	**45 943**	15 272	201
Matabeleland North	**4 247**	2 677	59
Matabeleland South	**6 041**	2 949	105
Total	**127 147**	62 473	104

2.9 TOBACCO

TABLE 32: TOBACCO PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**78 240**	69 871	12
Mashonaland Central	**59 405**	66 107	-10
Mashonaland East	**31 392**	33 536	-6
Manicaland	**36 757**	31 028	18
Midlands	**365**	687	-46
Masvingo	**53**	32	65
Matabeleland North			0
Matabeleland South			0
Total	**206 212**	201 261	2

FIGURE 14: TOBACCO PRODUCTION (MT) BY PROVINCE

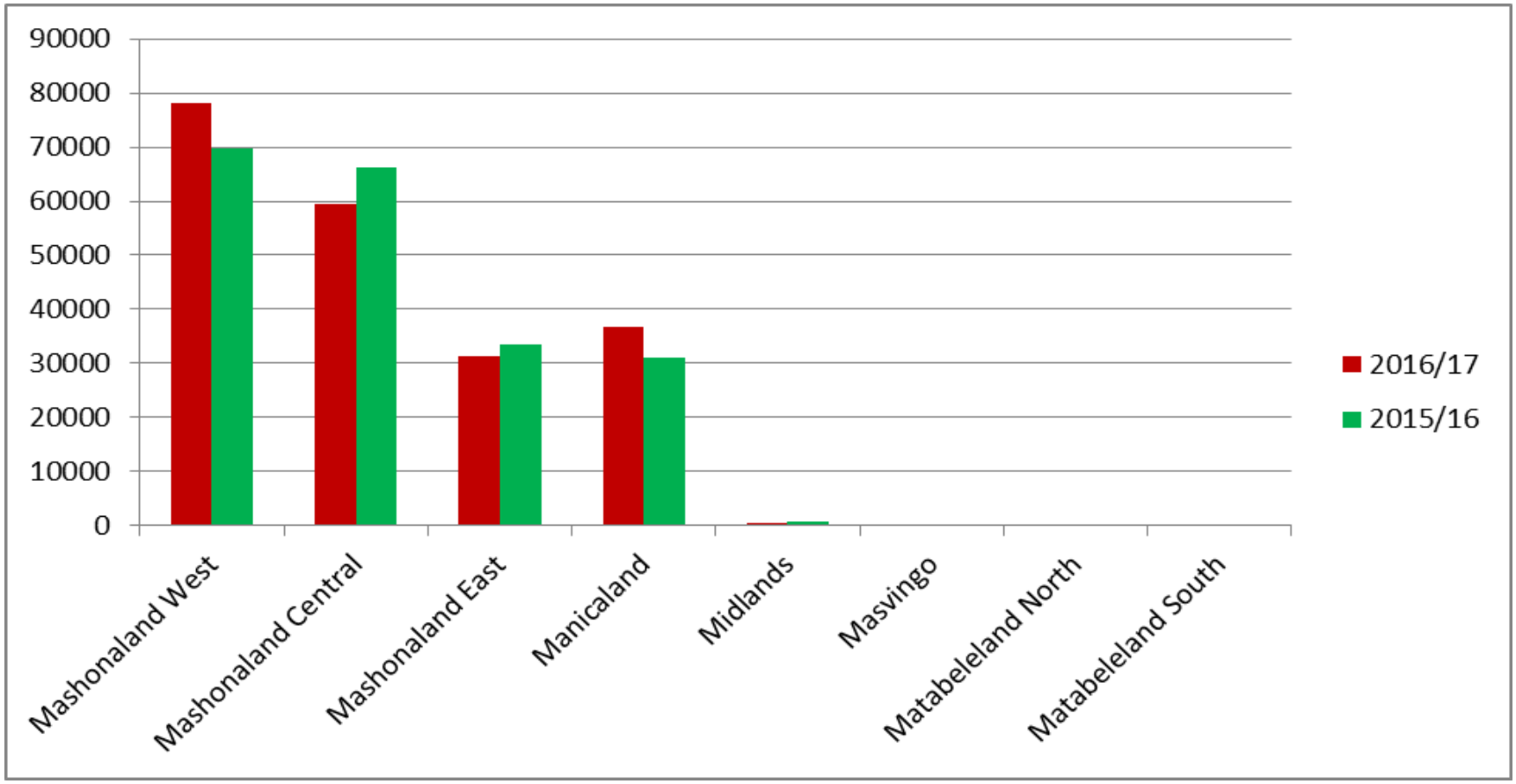


TABLE 33: TOBACCO YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**2**	1.9	5
Mashonaland Central	**1.8**	1.9	-5
Mashonaland East	**1.7**	1.9	-11
Manicaland	**1.9**	2	-5
Midlands	**1.6**	1.5	7
Masvingo	**1**	0.7	42
Matabeleland North	**0**	0	
Matabeleland South	**0**	0	
Average	**1.8**	**1.9**	-5

TABLE 34: TOBACCO AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**39 120**	36 274	8
Mashonaland Central	**33 003**	34 093	-3
Mashonaland East	**18 466**	17 651	5
Manicaland	**19 346**	16 014	21
Midlands	**228**	458	-50
Masvingo	**53**	46	15
Matabeleland North	**0**	1	0
Matabeleland South	**0**	0	0
Total	**110 216**	104 536	8

2.10 COTTON

TABLE 35: COTTON PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**7 853**	2 447	221
Mashonaland Central	**39 307**	5 535	610
Mashonaland East	**1 080**	750	44
Manicaland	**10 638**	2 371	349
Midlands	**53 239**	17 485	204
Masvingo	**10 020**	3 023	231
Matabeleland North	**4 858**	1 272	282
Matabeleland South	**0**	2	100
Total	**126 995**	**32 885**	286

FIGURE 15: COTTON PRODUCTION (MT) BY PROVINCE

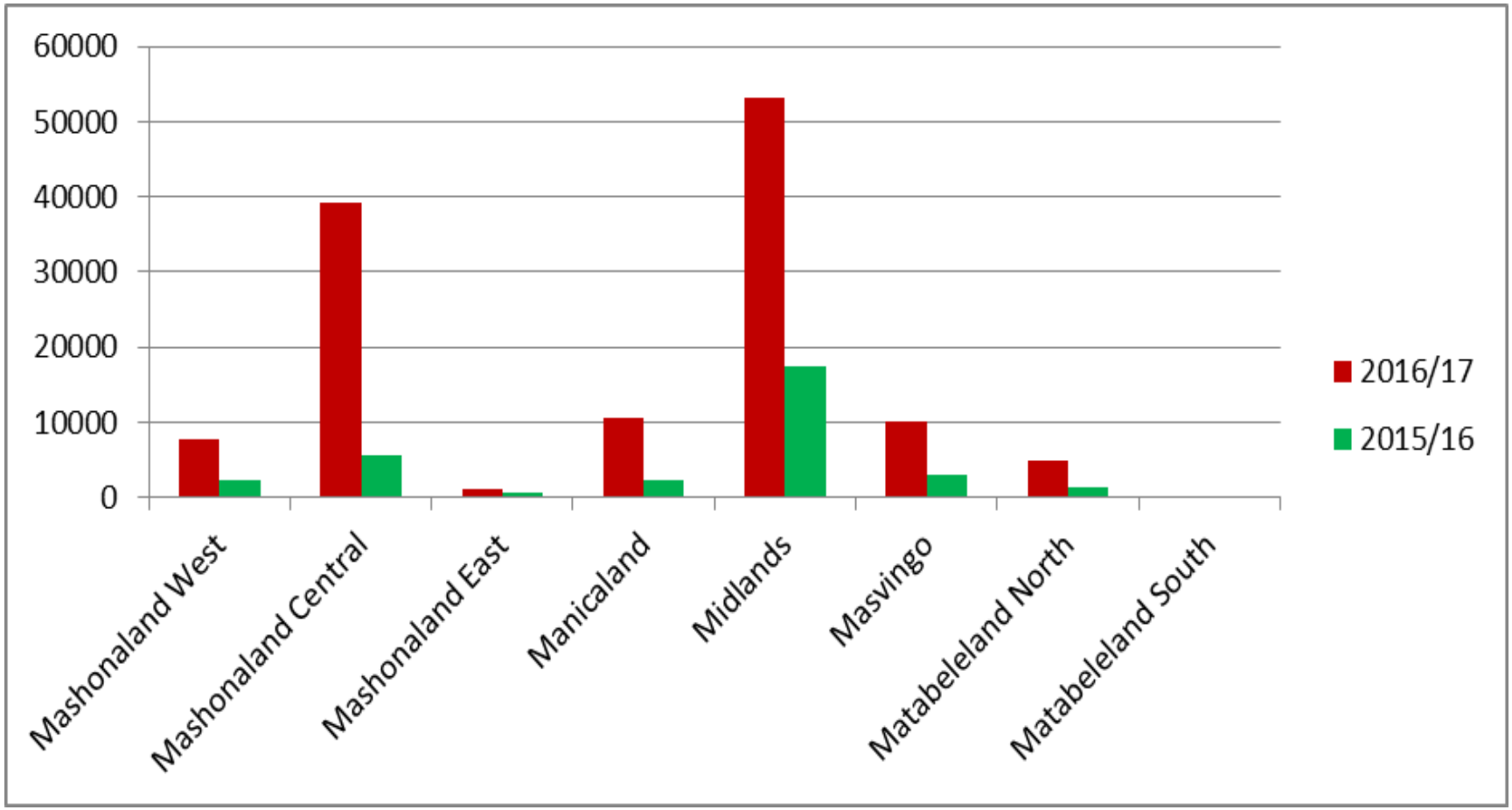


TABLE 36: COTTON YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**0.65**	0.42	55
Mashonaland Central	**0.69**	0.26	165
Mashonaland East	**0.44**	0.36	22
Manicaland	**0.55**	0.3	83
Midlands	**0.57**	0.33	73
Masvingo	**0.57**	0.31	84
Matabeleland North	**0.79**	0.33	39
Matabeleland South	**0**	0.3	100
Total	**0.60**	0.32	87.5

TABLE 37: COTTON AREA (HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**12 092**	5 787	109
Mashonaland Central	**56 927**	21 603	164
Mashonaland East	**2 445**	2 104	16
Manicaland	**19 188**	7 947	141
Midlands	**93 289**	52 242	79
Masvingo	**17 709**	9 859	80
Matabeleland North	**6 134**	2 113	190
Matabeleland South	**2**	5	-60
Total	**207 786**	101 660	104

1.5 SOYABEAN

TABLE 38: SOYABEAN PRODUCTION (MT) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**14 614**	25 587	-43
Mashonaland Central	**16 683**	16 570	1
Mashonaland East	**2 370**	2 996	-21
Manicaland	**430**	956	-55
Midlands	**1 641**	1 670	-2
Masvingo	**3**	0	100
Matabeleland North	**3**	53	-94
Matabeleland South	**0**	0	0
Total	**35744**	**47832**	-25

FIGURE 16: SOYABEAN PRODUCTION (MT) BY PROVINCE

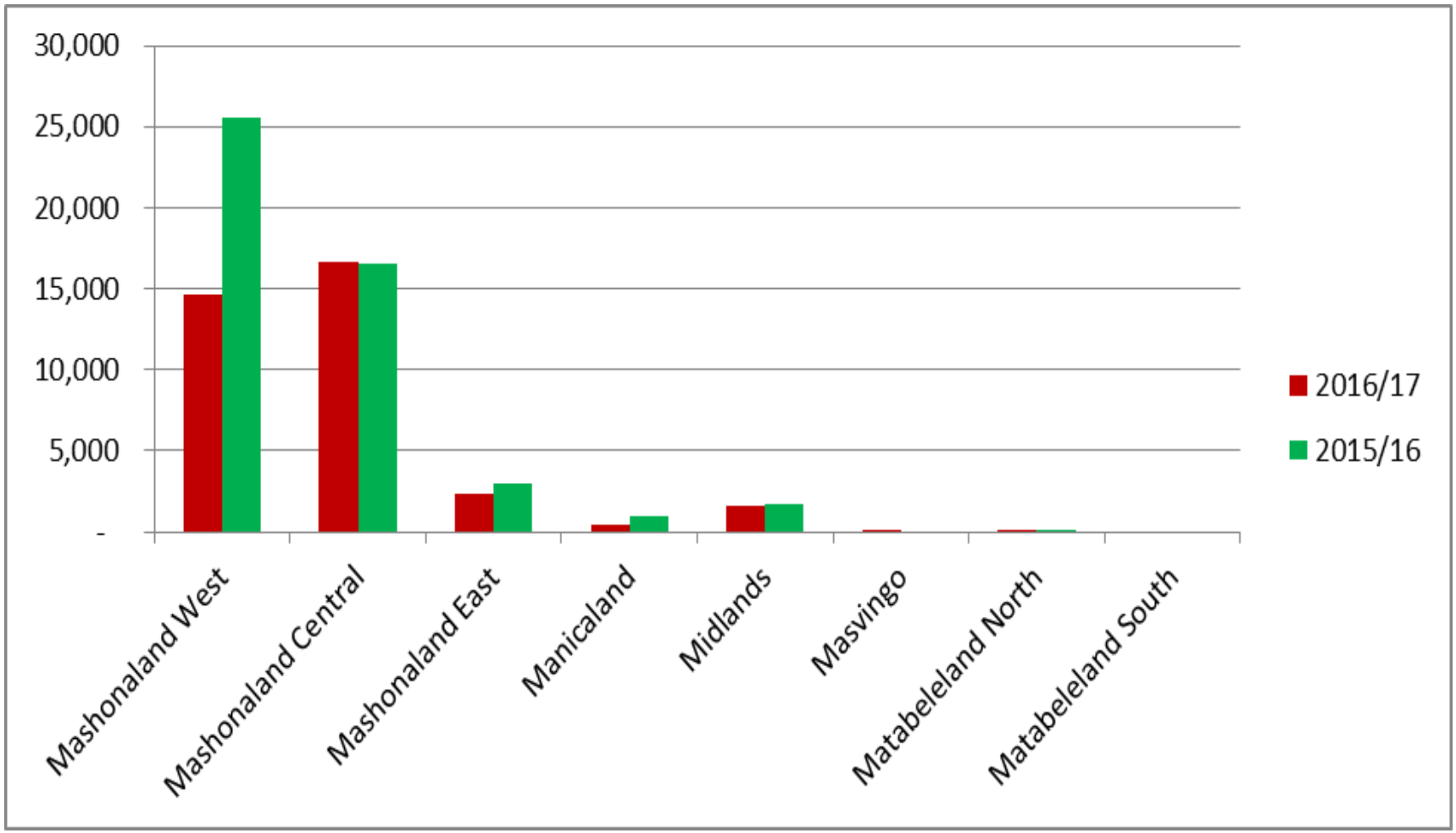


TABLE 39: SOYABEAN YIELD (MT/HA) BY PROVINCE

PROVINCE	**2016/17**	2015/16	%
Mashonaland West	**1.48**	1.43	3
Mashonaland Central	**1.76**	0.88	50
Mashonaland East	**1.64**	1.61	1.8
Manicaland	**2.64**	3.45	-31
Midlands	**2.84**	1.67	41
Masvingo	**1.5**	0.7	53
Matabeleland North	**1.35**	0.72	47
Matabeleland South	**0**	0	0
Total	**1.66**	1.2	28

TABLE 40: SOYABEAN AREA (HA) BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**9 876**	17 893	-81
Mashonaland Central	**9 496**	18 830	-98
Mashonaland East	**1 445**	1 861	-29
Manicaland	**163**	277	-70
Midlands	**577**	1 000	-73
Masvingo	**2**	0	100
Matabeleland North	**2**	74	-3 600
Matabeleland South	**0**	0	-
Total	**21 561**	39 935	-85

2.12 OTHER CROPS

TABLE 41: PRODUCTION OF OTHER CROPS (MT)

CROP	**2016/17**	2015/16	%
Irish Potatoes	**476 088**	438 354	9
Sunflower	**10 389**	3 259	219
Cowpeas	**35 895**	14 026	156
Cucurbits(Pumpkins, Squash, Marrows, Melons and Butternuts)	**69 847**	33 700	107
Banana	**252 376**	229 286	10
Citrus	**198 058**	193 760	2
Apples	**3 250**	4 149	-22
Mango	**95 475**	99 060	-4
Macadamia	**5 721**	5 658	1
Tea	**7 830**	10 166	-23
Coffee	**500**	455	10
Sugarcane	**5 562 674**	5 440 560	2

TABLE 42: YIELD OF OTHER CROPS (MT/HA)

CROP	**2016/17**	2015/16	%
Irish Potatoes	**23.9**	35.0	-32
Sunflower	**0.64**	0.39	65
Cowpeas	**0.45**	0.25	82
Cucurbits(Pumpkins, Squash, Marrows, Melons and Butternuts)	**3.74**	6.94	-46
Cabbages and Leafy Vegetables	**28.7**	38.5	-25
Tomato	**17.9**	22.1	-19
Onion	**30.3**	37.7	-20
Banana	**35.1**	32.0	10
Citrus	**32.3**	31.6	2
Apples	**21.0**	18.4	14
Peaches and Nectarines	**23.4**	22.6	4
Mango	**23.8**	25.1	-5
Macadamia	**1.42**	1.40	1
Tea	**1.60**	1.61	-1
Coffee	**0.83**	0.61	37
Sugar cane	**79.0**	79.2	0

TABLE 43: OTHER CROPS AREA (HA)

CROP	**2016/17**	2015/16	%
Irish Potatoes	**19 920**	12 514	59
Sunflower	**16 322**	8 428	94
Cowpeas	**79 831**	56 624	41
Cucurbits(Pumpkins, Squash, Marrows, Melons and Butternuts)	**18 680**	4 855	285
Cabbages and Leafy Vegetables	**13 750**	9 364	47
Tomato	**19 760**	15 430	28
Onion	**5 890**	4 389	34
Banana	**7 187**	7 165	0
Citrus	**6 135**	6 135	0
Apples	**185**	226	-18
Peaches and Nectarines	**257**	262	-2
Mango	**4 005**	3 939	2
Macadamia	**4 032**	4 029	0
Tea	**6 572**	6 322	4
Coffee	**600**	750	-20
Sugar cane	**70 422**	68 680	3

3 LIVESTOCK PRODUCTION

3.1 EXECUTIVE SUMMARY LIVESTOCK

3.1.1 Cattle herd decreased by **0.69%** from **5 528 242** in 2016 to **5 489 720** in 2017.

3.1.2 Water and grazing for livestock is currently adequate and likely to get to the next summer season in most parts of the country; however the grazing quality remains poor.

3.1.3 National average calving rate decreased from **46%** to **45,** the optimum rate is above **60%.**

3.1.4 Diseases associated with heavy rains were a major challenge. These included Lumpy Skin and Foot-rot.

3.1.5 Tick-borne diseases are still a challenge although the dipping program is well supported in terms of acaricide supply and is adequate in most areas.

3.1.6 There were no major disease outbreaks.

3.1 LIVESTOCK NUMBERS

3.1.1 **CATTLE**

TABLE 44: CATTLE DISTRIBUTION BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**594 110**	585 850	1
Mashonaland Central	**534 478**	506 892	5
Mashonaland East	**662 158**	653 759	1
Manicaland	**618 120**	615 190	-1
Midlands	**728 564**	763 794	-5
Masvingo	**1 010 382**	1 002 446	1
Matabeleland North	**656 898**	557 652	18
Matabeleland South	**685 010**	615 073	11
Total	**5 489 720**	5 300 656	4

3.1.1.1 90% of cattle is owned by smallholder farmers (68% communal, 11% A1, 7% OR, 4% SSCF) with the LSCFA owning 10%.

3.1.2 **SHEEP**

TABLE 45: SHEEP DISTRIBUTION BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**15 320**	27 452	-44
Mashonaland Central	**18 479**	69 966	-74
Mashonaland East	**37 173**	41 870	-11
Manicaland	**74 625**	113 825	-34
Midlands	**23 132**	22 055	5
Masvingo	**95 455**	96 870	-1
Matabeleland North	**28 513**	59 395	-52
Matabeleland South	**86 222**	72 872	18
Total	**378 919**	504 305	-25

3.1.3 **GOATS**

TABLE 46: GOAT DISTRIBUTION BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**245 499**	328 856	-25
Mashonaland Central	**316 565**	288 165	10
Mashonaland East	**284 826**	206 483	38
Manicaland	**553 294**	548 414	1
Midlands	**432 806**	434 304	0
Masvingo	**620 513**	620 171	0
Matabeleland North	**417 266**	353 729	18
Matabeleland South	**534 613**	619 342	-14
Total	**3 405 382**	3 399 464	1

3.1.4 **PIGS**

TABLE 47: PIGS DISTRIBUTION BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**27 705**	24 509	13
Mashonaland Central	**89 541**	182 475	-51
Mashonaland East	**49 912**	51 169	-2
Manicaland	**40 357**	44 026	-8
Midlands	**25 127**	29 721	-15
Masvingo	**37 123**	43 109	-14
Matabeleland North	**16 120**	25 403	-37
Matabeleland South	**26 031**	25 128	4
Total	**311 916**	425 540	-27

3.1.4.1 The current commercial sow herd has grown up to **14 000** from **11 000** the previous year.

3.1.5 **DONKEYS**

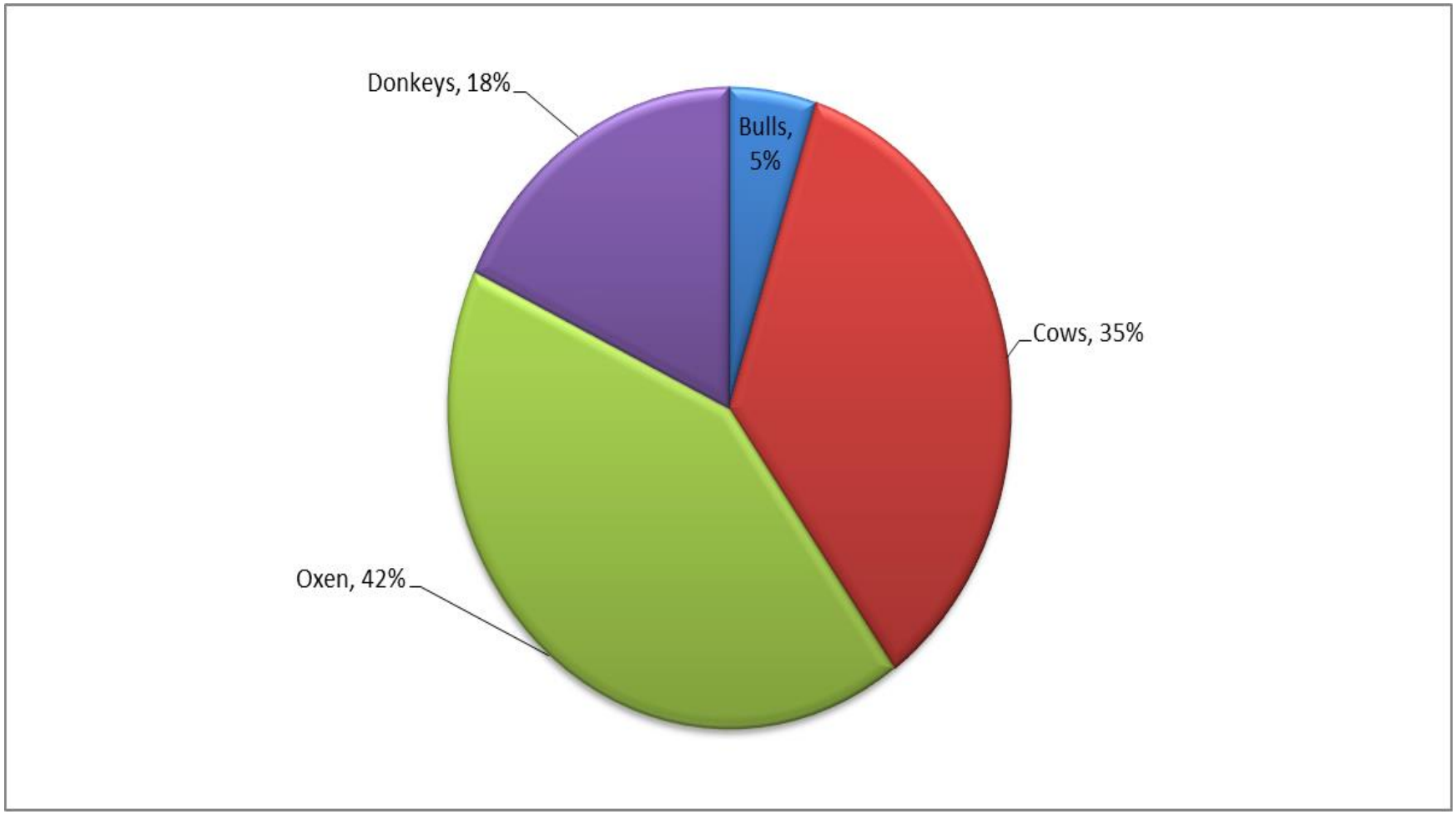
TABLE 48: DONKEYS DISTRIBUTION BY PROVINCE

Province	**2016/17**	2015/16	%
Mashonaland West	**13 558**	13 322	2
Mashonaland Central	**7 081**	7 255	-2
Mashonaland East	**9 545**	9 400	2
Manicaland	**37 457**	35 488	6
Midlands	**90 001**	88 134	2
Masvingo	**85 332**	86 198	-1
Matabeleland North	**101 948**	102 572	-1
Matabeleland South	**132 176**	130 384	1
Total	**477 098**	472 752	1

3.1.5.1 Almost 80% of donkeys are in the Communal Areas

3.3 DRAFT POWER

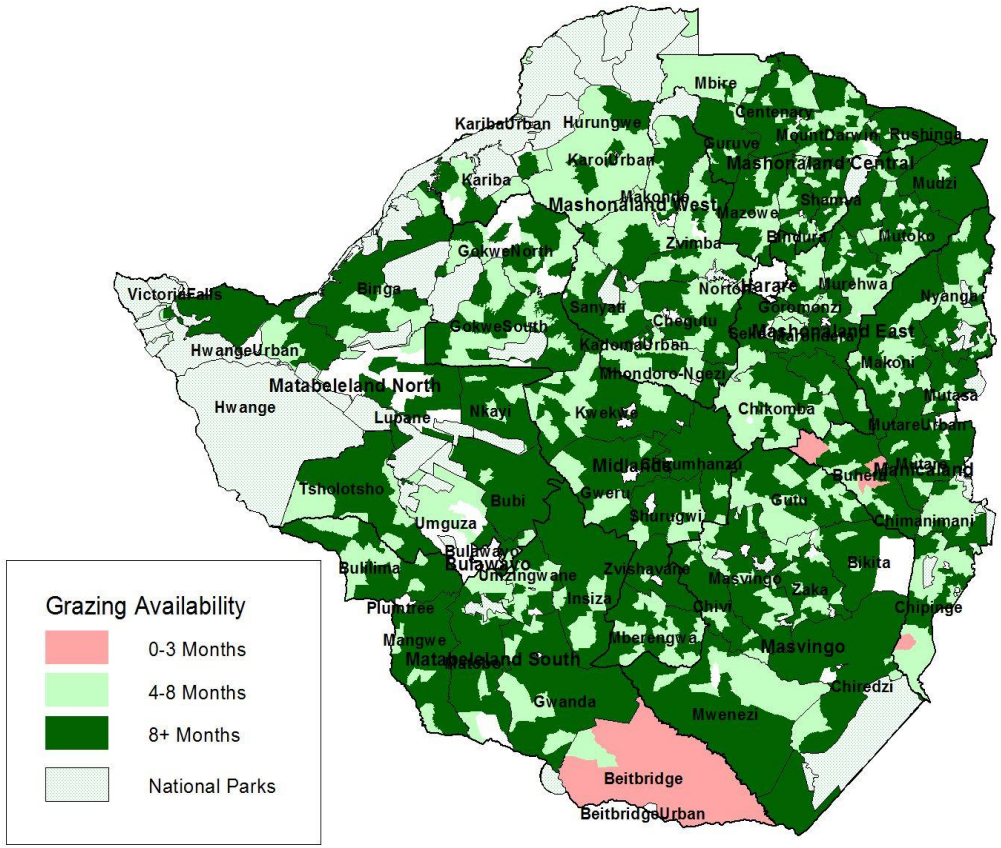
FIGURE 17: CONTRIBUTION OF LIVESTOCK TO DRAFT POWER



3.2 GRAZING AVAILABILITY

3.2.1 Most areas in the country have adequate grazing; however a few areas in Natural Regions IV and V might not have adequate grazing to last until the next summer season.

FIGURE 18: GRAZING AVAILABILITY



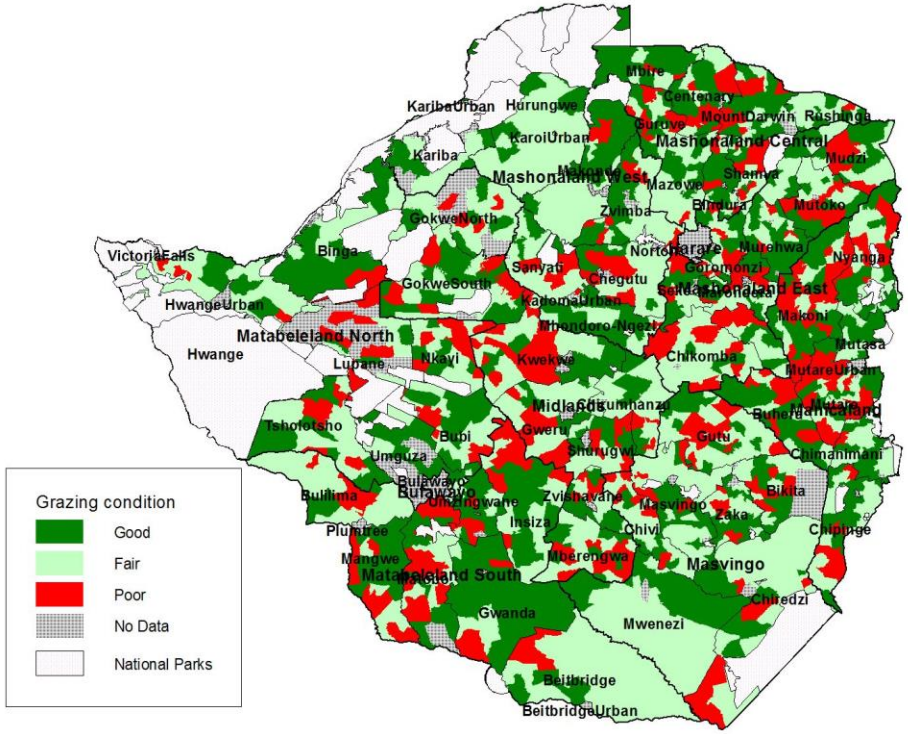
3.3 GRAZING QUALITY

3.3.1 Quality of grazing in Communal and Old Resettlement areas has been gradually deteriorating due to droughts.

3.3.2 Recurrence of droughts reduced the seed bank of palatable grasses.

3.3.3 Grasses with poor grazing value like the *Sporobolus species* have invaded most grazing areas.

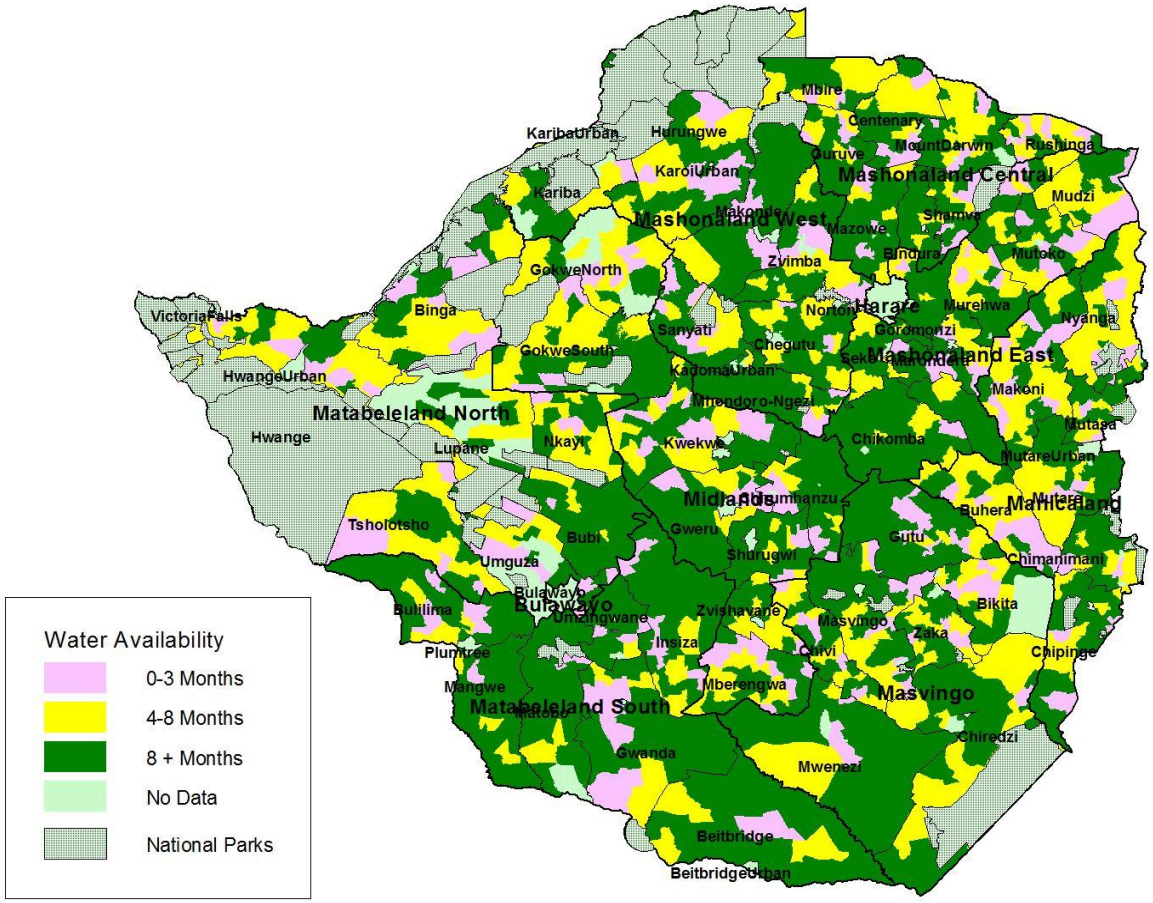
FIGURE 19: GRAZING QUALITY



3.4 WATER AVAILABILITY

3.4.1 Water for livestock is available in all provinces from different sources; wells, rivers, dams and boreholes.

FIGURE 20: WATER AVAILABILITY



4 LIVESTOCK PRODUCTIVITY

4.1 CALVING RATES

4.1.1 The calving rate went down from 46% in 2015 to 45% in 2016.

4.1.2 The national target is above **60%.**

4.2 CATTLE OFF TAKE

4.2.1 Cattle Off take ranged from **5%** to **11%** across all farming sectors.

4.2.2 The national average cattle off take remains around 6%. The national target is 15%.

4.3 KIDDING RATE

4.3.1 Kidding rate was at **98%** which is lower than the national target of **120%**.

4.4 LAMBING RATE

4.4.1 Lambing rate is at **65%,** which is below the national target rate of **100%.**

4.5 BROILER PRODUCTION

4.5.1 Monthly day old broiler chick production declined to **6.2 million** birds per month in 2016 from **6.3 million** birds per month in 2015.

4.5.2 Total annual day old broiler chick production decreased by **1%** from **75.55 million** in 2015 season to **74.8 million** in 2016.

5 LIVESTOCK SLAUGHTERS AT FORMAL ABATTOIRS

5.1 CATTLE SLAUGHTER

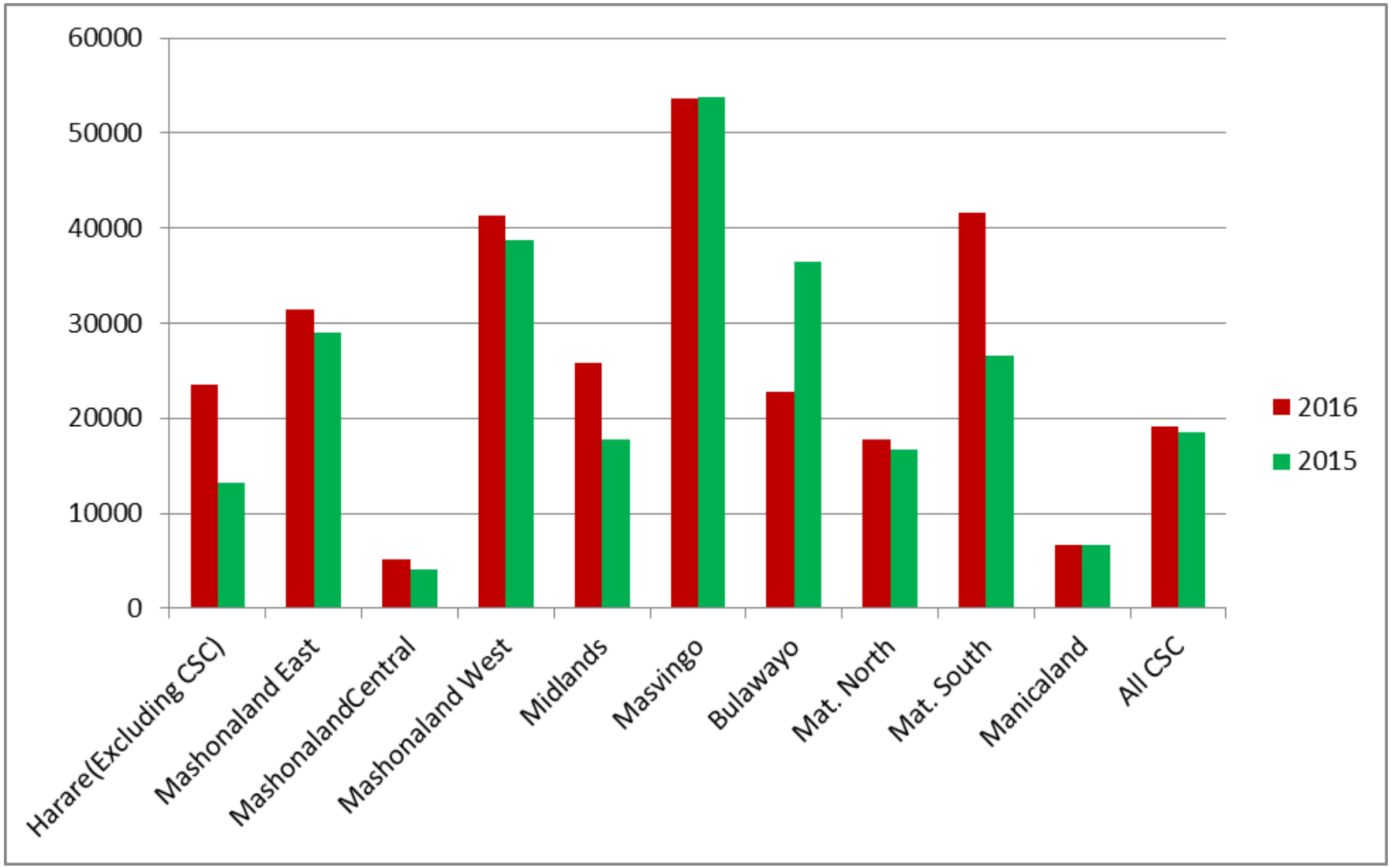
5.1.1 Total cattle slaughtered in 2016 at formal abattoirs was **288 707** up from **261 658** in 2015 which is a **10%** increase.

5.1.2 Average carcass weights for beef animals dropped from **170kg** in 2015 to **165kg** in 2016.This can be attributed to the poor body condition as a result of the drought.

TABLE 49: CATTLE SLAUGHTERS

Province	**2016**	2015	%
Harare(Excluding CSC)	**23 491**	13 242	77
Mashonaland East	**31 452**	28 995	8
Mashonaland Central	**5 125**	4 080	26
Mashonaland West	**41 334**	38 772	7
Midlands	**25 853**	17 755	46
Masvingo	**53 629**	53 824	0
Bulawayo	**22 714**	36 517	-38
Matabeleland North	**17 698**	16 746	6
Matabeleland South	**41 656**	26 569	57
Manicaland	**6 630**	6 628	0
All CSC	**19 125**	18 530	3
Total	**281 916**	264 444	7

FIGURE 21: CATTLE SLAUGHTERS



5.2 CATTLE SLAUGHTER GRADES

5.2.1 There was a slight decrease in the quality of meat as evidenced by an increase in the economy grades and a decrease in the proportion of super grades compared to 2015 figures.

5.2.2 Proportion of animals grading **commercial** to **super** was 65% in 2015 and 58% in 2016. This was most likely related to the poor season where grazing was not adequate in most areas due to drought caused by the ***El Nino*** effect.

TABLE 50: TRENDS IN GRADES FOR CATTLE SLAUGHTERED

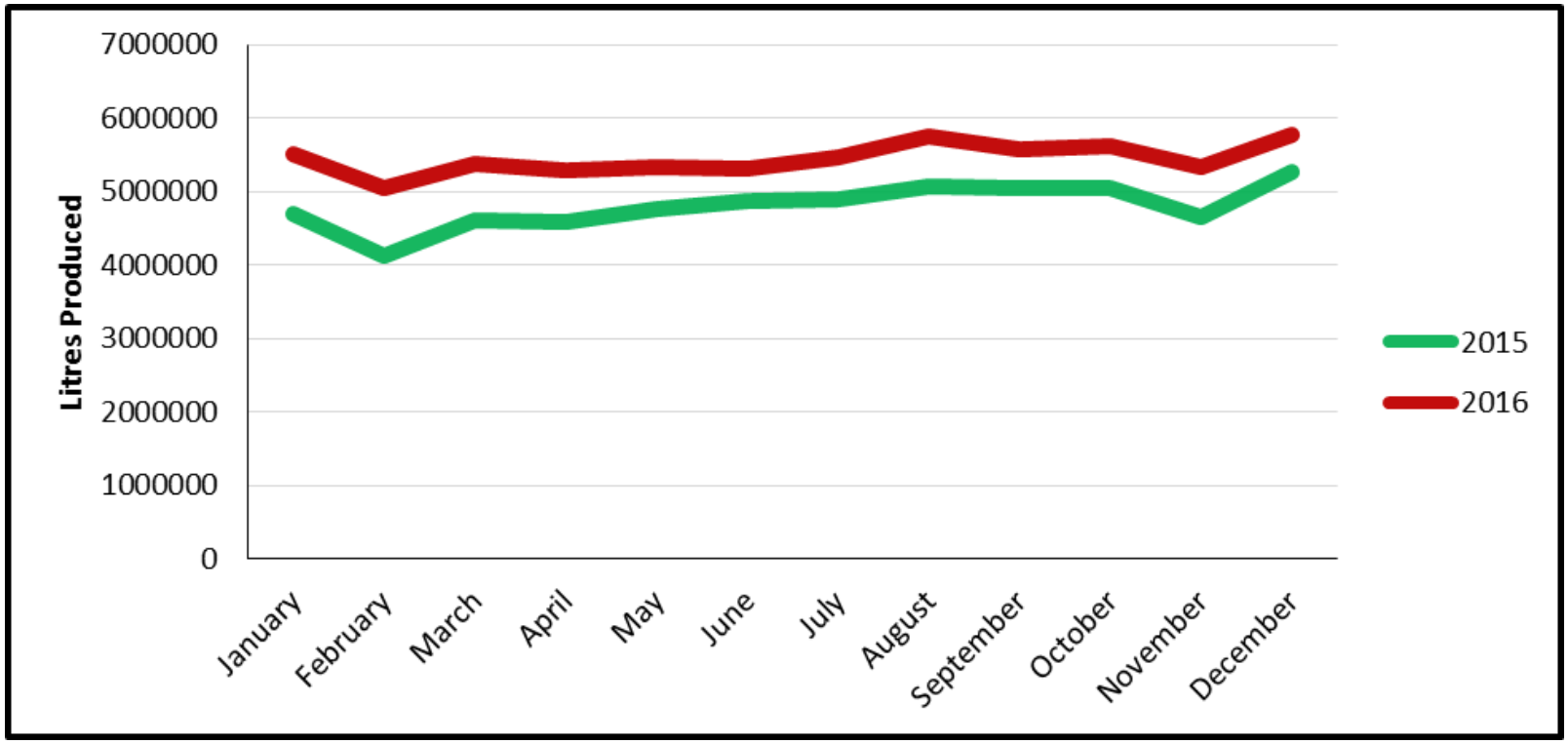
Year	**Super**	**Choice**	**Commercial**	**Economy**	**Manufacturing**
	%				
2016	17	4	37	37	5
2015	21	7	37	31	5
2014	22	6	33	34	5

6 MILK PRODUCTION

6.1 Total milk production continues to increase. Volumes rose by **13.6%** from **57 million** litres **in** 2015 to **65 million** litres in 2016.

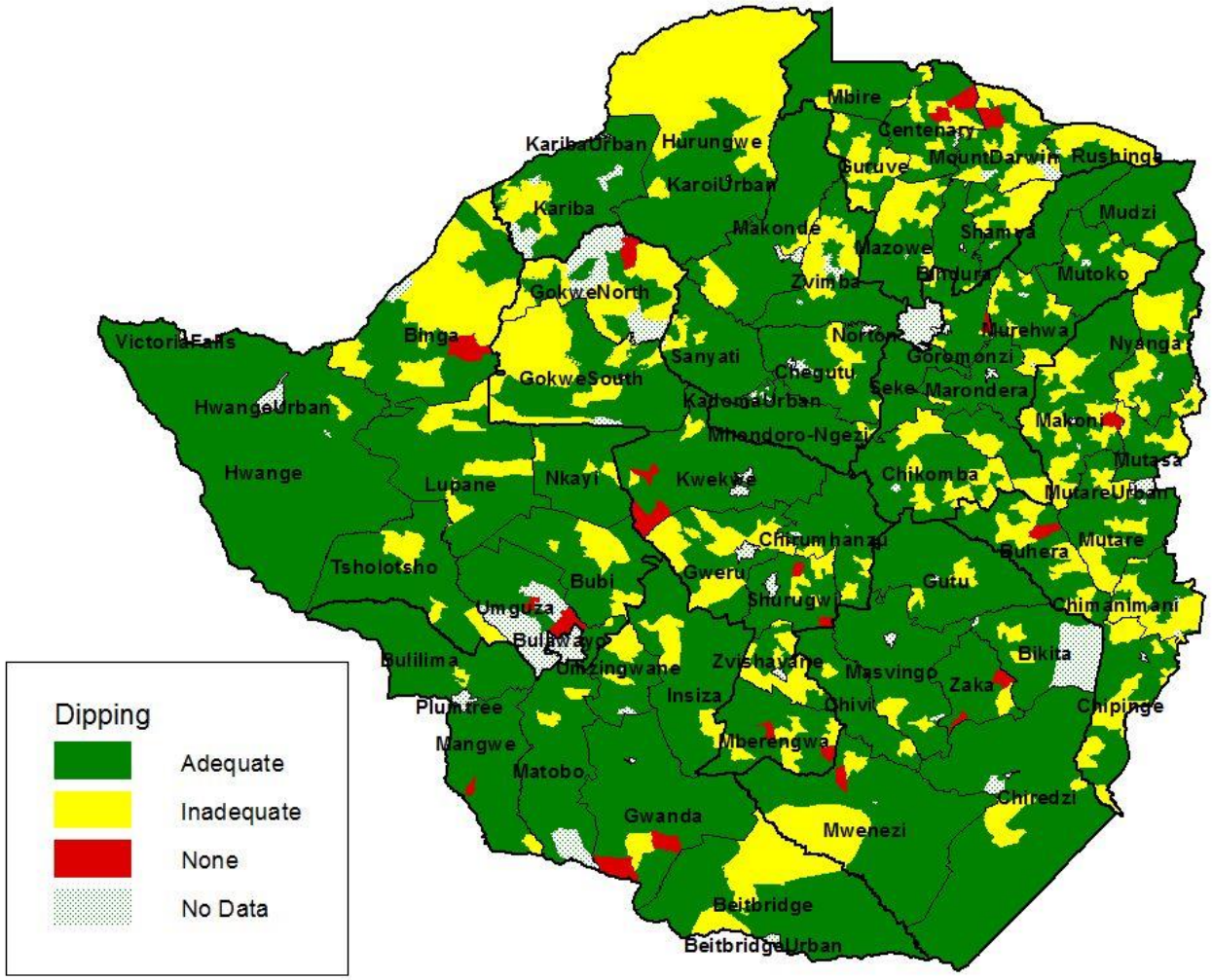
6.2 Efforts to rebuild the dairy herd by milk processors and the Dairy Revitalization Programme through importation of dairy animals will help improve production further.

FIGURE 22: MILK PRODUCTION TREND



7 LIVESTOCK HEALTH

FIGURE 23: DIPPING



7.1 TICK-BORNE DISEASES

7.1.1 Tick-borne diseases were reported in all provinces with Anaplasmosis and Heartwater being the two diseases commonly reported.

7.1.2 Theileriosis was a major disease in Masvingo province especially in Chiredzi and Mwenezi districts where 80% of the total cases were reported.

TABLE 51: TICK BORNE DISEASE

Disease	Cases	Deaths	Case fatality rate (%)
Bovine anaplasmosis	5 226	927	18
Bovine babesiosis	1 973	306	16
Heartwater	4 772	1 505	32
Theileriosis	571	256	45
Total	12 542	2 994	

7.2 FOOT AND MOUTH DISEASE

7.2.1 There were no primary outbreaks reported during the year. Secondary outbreaks were reported in 13 districts in four provinces.

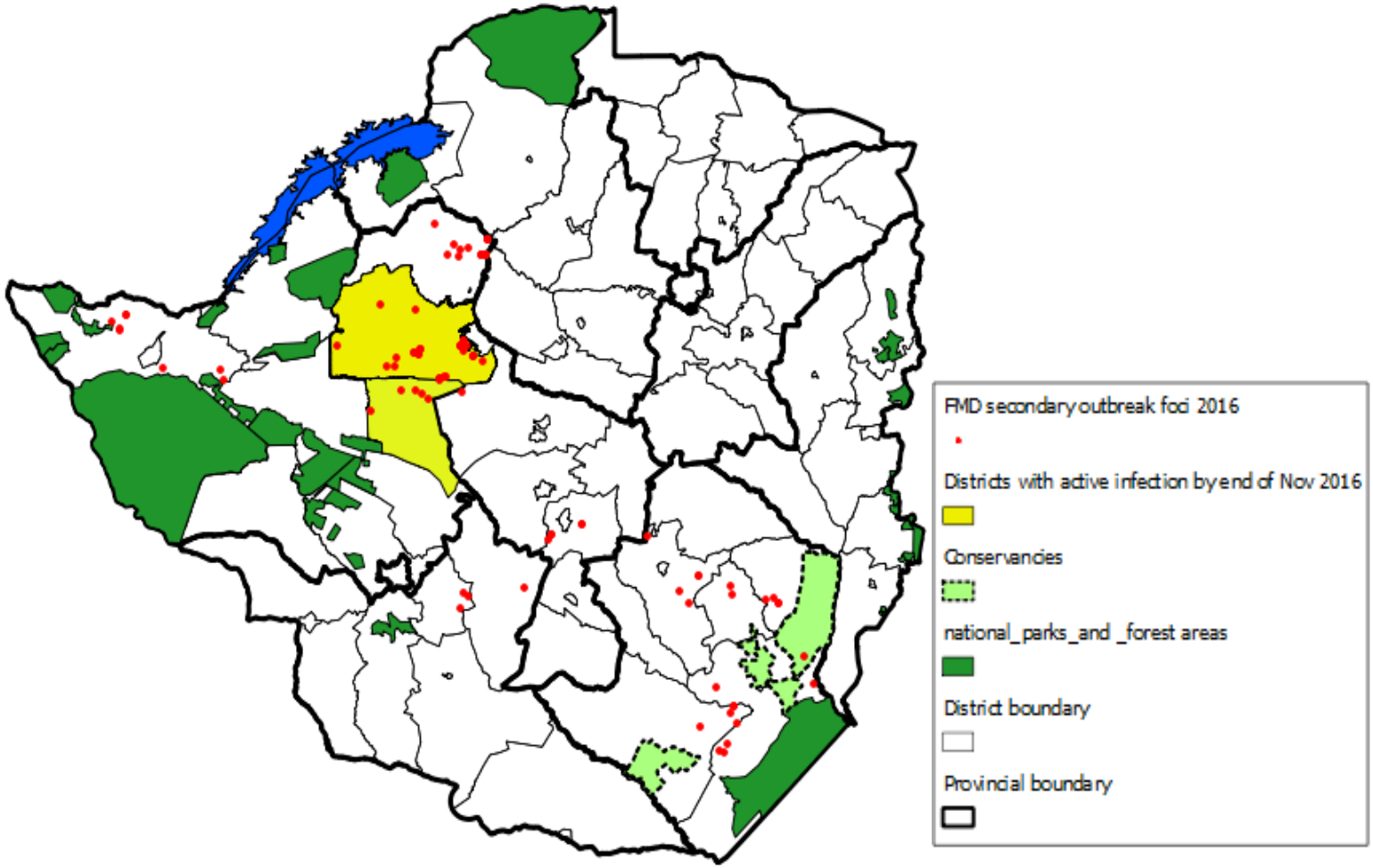
7.2.2 By end of November 2016 the disease was active in two districts, Nkayi and Gokwe South.

7.2.3 The disease affected 2 847 cattle at 72 dip tanks with a total cattle census of 106 014, apparent morbidity rate of 3%.

7.2.4 Control measures taken included ring vaccination of outbreak areas, high risk areas and restricted livestock movement.

7.2.5 The vaccination program had one round of vaccination along the Botswana border in the joint program between the two governments.

FIGURE 24: FMD OUTBREAK FOCI 2016/2017



7.3 NEWCASTLE

7.3.1 The disease was reported in 16 districts at 44 locations with a total loss of 2 785 birds.

7.3.2 The local central veterinary laboratory managed to produce15. 8 million doses of Newcastle vaccine.

7.3.3 A total of 7.2 million vaccinations were done by end of November 2016.

7.3.4 The major challenge with vaccine production is timing as it does not tally with the programs in the field.

TABLE 52: NEWCASTLE VACCINATION IN THE LAST FIVE YEARS

Year	Newcastle Disease vaccinations
2016	7 238 262
2015	3 883 644
2014	6 586 888
2013	4 826 474
2012	12 089 527

7.4 RABIES

7.4.1 All provinces reported the disease with the highest cases in Masvingo province. Dogs were the most commonly affected.

7.4.2 Vaccination campaigns were carried out in all the districts, cities and towns with a total of **238 790** vaccinations carried out.

TABLE 53: RABIES CASES BY PROVINCE

Province	Cases
Mashonaland West	50
Mashonaland Central	10
Mashonaland East	14
Manicaland	12
Midlands	36
Masvingo	113
Matabeleland North	13
Mat South	78
Total	**326**

TABLE 54: RABIES CASES BY SPECIES

Species	Cases
Cat	7
Cattle	60
Civet cat	2
Dog	222
Donkey	14
Goat	17
Jackal	2
Total	**324**

7.5 ANTHRAX

7.5.1 The disease claimed **63** cattle from nine districts country wide.

7.5.2 Availability of the vaccine was the main challenge.

7.5.3 A total of **317 972 cattle** were vaccinated against anthrax in the anthrax prescribed areas and new outbreak areas by the end of November 2016.

7.6 CATTLE LOSSES DUE TO STARVATION

7.6.1 The *El Nino* induced drought of the 2015/16 agriculture season affected availability of grazing in the southern districts of the country. This led to significant cattle mortalities especially in Masvingo province.

7.6.2 Subsidized stock-feed programmes for farmers were initiated in the Districts of Chiredzi, Mwenezi, Chivi, Tsholotsho, Zvishavane, Mberengwa, Umzingwane, Insiza, Gwanda and Bulilima.

7.6.3 Water challenges also contributed largely to cattle mortalities.

7.6.4 Animals were moving long distances to watering points where they had to compete with human requirements.

7.6.5 A lot of animals succumbed while looking for water especially those that were pregnant. With drinking water, an animal can survive longer even without food.

7.7 STOCK THEFT

7.7.1 There has been a **25%** decline in the number of reported stock theft cases in 2016 compared to 2015.

7.7.2 **5 186** cattle were reported stolen in 2016 compared to **5 293** in 2015.

7.7.3 The recovery rate went up to **68%** from **55%** in 2015 thus limiting damaging losses to farmers.

7.8 STOCK FEED AVAILABILITY

7.8.1 Stock feeds are available on the market and prices have been stable.