ZIMBABWE

# Second Round Crop and Livestock Assessment

Highlights

2011-2012

# Objectives

- To estimate national yields and production of food and non food crops in the country
- To assess the situation of livestock as it relates to grazing availability and condition, disease prevalence and animal condition
- To make recommendations based on the findings of the assessment.

# Methodology

- Review of Provincial and District AGRITEX officers' crop and livestock production data through household and ward level questionnaires.

- Verification of crop and livestock production data through;
  - Field observations and visual assessment of crops, livestock and the veld in representative parts of all farming sectors in each district
  - Discussions with farmers, field AGRITEX Officers and other extension agencies
  - Yields measurements of representatives crop stands

# Executive Summary- Cereals

| Crop | Area | | | | | | Production | | Yield | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Planted | | Write Off | | Harvested | | | | | |
| | 11/12 | % change | 11/12 | % change | 11/12 | % change | 11/12 | % change | 11/12 | % change |
| **Maize** | **1 689 786** | **-19** | **722 557** | **117** | **967 229** | **-45** | **968 041** | **-33** | **1.0** | **22** |
| **Sorghum** | **279 239** | **-8** | **83 882** | **53** | **195 357** | **-22** | **64 793** | **-32** | **0.33** | **-13** |
| **P/ Millet** | **163 286** | **-1** | **32 878** | **44** | **130 408** | **-8** | **35 146** | **-21** | **0.27** | **-13** |
| **F/ Millet** | **39 265** | **-38** | **5 621** | **-41** | **33 643** | **-37** | **8 792** | **-47** | **0.26** | **-16** |
| | **2 171 576** | **-17** | **844 938** | **101** | **1 326 637** | **-40** | **1 076 772** | **-33** | | |

# Maize production in 2011/2012 Season

- The 2011/2012 maize production is estimated at **968 041 MT** from a total planted area of **1 689 786 ha**.
- The production estimate is about **33%** less than the 2010/2011production estimate of about **1 451 629 MT**.
- The total area to be harvested is **967 229 ha** whilst **722 557 ha** were written off.
    - The average yield is **1.0 t/ha** compared to **0.8t/ha** achieved in 2010/2011 season.
    - The decrease in maize production is mainly attributed to late onset of the rains, erratic rainfall pattern during the season and occurrence of prolonged mid season drought.

# Maize Production by Province

| Province | Area | | | Production | | | Yield | | |
|---|---|---|---|---|---|---|---|---|---|
| | **11/12** | 10/11 | **%** | **11/12** | 10/11 | **%** | **11/12** | 10/11 | **%** |
| **Manicaland** | **247 334** | 262 106 | **-6** | **157 655** | 159 885 | **-1** | **0.6** | 0.6 | **0** |
| **Mash Central** | **185 706** | 231 814 | **-20** | **155 383** | 296 722 | **-48** | **0.8** | 1.3 | **-38** |
| **Mash East** | **229 926** | 247 511 | **-7** | **129 657** | 148 507 | **-13** | **0.6** | 0.6 | **0** |
| **Mash West** | **257 153** | 379 066 | **-32** | **245 989** | 451 089 | **-46** | **1.0** | 1.2 | -16 |
| **Masvingo** | **212 124** | 276 105 | **-18** | **41 314** | 80 070 | **-48** | **0.2** | 0.3 | **-33** |
| **Mat North** | **110 283** | 166 265 | **-23** | **38 447** | 79 807 | **-52** | **0.3** | 0.5 | **-40** |
| **Mat South** | **131 144** | 148 922 | **-34** | **20 435** | 35 741 | **-43** | **0.2** | 0.2 | **0** |
| **Midlands** | **316 116** | 384 246 | **-12** | **179 161** | 199 808 | **-10** | **0.6** | 0.5 | **20** |
| **Total** | **1 689 786** | 2 096 035 | **-19** | **968 041** | 1 451 629 | **-33** | **0.6** | **0.7** | **-14** |

# Maize Production by province

- The largest proportion of the 2011/2012 maize harvest is expected to come from Mashonaland West and Midlands provinces.
- However the yields above have not been adjusted to include the area written off for each province.

# Small Grains Production

| Province | Sorghum | | | Pearl Millet | | | Finger Millet | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area (Ha) | Production (T) | Yield (t/ha) | Area (Ha) | Production (T) | Yield (t/ha) | Area (Ha) | Production (T) | Yield (t/ha) |
| **Manicaland** | 64 670 | 15 492 | **0.24** | 46 996 | 11 238 | **0.20** | 10 761 | 2 164 | **0.20** |
| **Mash Central** | 34 923 | 11 269 | **0.32** | 2 973 | 720 | **0.24** | 698 | 94 | **0.14** |
| **Mash East** | 18 229 | 5 382 | **0.30** | 5 960 | 1 475 | **0.25** | 6 262 | 1 691 | **0.27** |
| **Mash West** | 4 718 | 3 218 | **0.68** | 195 | 28 | **0.14** | 365 | 100 | **0.27** |
| **Mat North** | 23 413 | 5 947 | **0.25** | 35 564 | 9 580 | **0.27** | 43 | 6 | **0.14** |
| **Mat South** | 43 530 | 2 366 | **0.05** | 32 445 | 3 336 | **0.10** | 516 | 56 | **0.11** |
| **Midlands** | 26 137 | 8 355 | **0.32** | 7 874 | 2 643 | **0.34** | 6 521 | 2 031 | **0.31** |
| **Masvingo** | 63 620 | 12 764 | **0.20** | 31 280 | 6 125 | **0.20** | 14 100 | 2 651 | **0.19** |
| **Total** | **279 239** | **64 793** | 0.31 | **163 286** | **35 146** | 0.27 | **39 265** | **8 792** | 0.26 |

# Small Grains Production

- Sorghum and millets production for the **2011/2012** summer cropping season is estimated at **108 731 MT**.
- The sorghum production is expected to be **64 793MT**, finger millet **8 792MT** and pearl millet **35 146MT**.
- The combined area for small grains decreased by **10%** while production decreased by **30%** compared to 2010/2011 season.
- Quelea birds were reported to be a menace.

# Cereal production for 2011-2012 in relation to National requirements

- The combined cereal production for 2012 is estimated to be **1 076 772 MT** against an estimated national requirement of **1 734 235 MT.**
- Cereal Stocks at GMB as at 26 March 2012 were **310 682 MT.**
- A national cereal deficit of about **346 781 MT** is therefore estimated.

# GRAIN AND CEREAL PRODUCTION COMPARED TO NATIONAL REQUIREMENTS

| Requirements (MT) | | Available cereals | | Surplus/ deficit |
|---|---|---|---|---|
| [1]Human | 1 384 235 | Carryover Stocks as at 26 March 2012 (GMB) | 310 682 | |
| Livestock and other uses | 350 000 | Production 2012 | 1 076 772 | |
| **Total** | **1 734 235** | | **1 387 454** | **-346 781** |

[1]Human consumption is computed from a consumptions rate of 110kg/person/year and a national population estimate of 12 583 951

# Other crops

| Crop | Area | | | Production | | | Yield | | |
|---|---|---|---|---|---|---|---|---|---|
| | **11/12** | 10/11 | **% change** | **11/12** | 10/11 | **% change** | **11/12** | 10/11 | **% change** |
| **Tobacco** | **65 020** | 67 054 | **-3** | **133 607** | 131 500 | **2** | **2.1** | 1.96 | **2** |
| **Cotton** | **432 901** | 379 689 | **14** | **254 888** | 249 904 | **2** | **0.59** | 0.66 | **-11** |
| **Groundnuts** | **335 586** | 426 806 | **-21** | **120 001** | 230 475 | **-48** | **0.36** | 0.54 | **-33** |
| **Soya bean** | **51 869** | 60 124 | **-14** | **70 542** | 84 173 | **-16** | **1.36** | 1.4 | **-3** |
| **Sugar beans** | **20 154** | 26 778 | **-25** | **10 766** | 13 121 | **-18** | **0.53** | 0.49 | **8** |
| **Irish potato** | **10 600** | 10 095 | **5** | **296 800** | 353 332 | **-16** | **28** | 29 | **-3** |

# Summary-Livestock

| Province | Cattle | Sheep | Goats | Pigs | Donkeys |
|---|---|---|---|---|---|
| **Manicaland** | **586 619** | 100 462 | 634 742 | 41 630 | 39 200 |
| **Mash Central** | **514 966** | 38 977 | 227 751 | 53 905 | 7 654 |
| **Mash East** | **540 440** | 29 500 | 154 502 | 24 881 | 7 052 |
| **Mash West** | **739 442** | 126 398 | 85 546 | 69 871 | 4 245 |
| **Mat North** | **574 918** | 71 453 | 805 884 | 26 661 | 80 160 |
| **Mat South** | **556 619** | 31 709 | 445 827 | 14 492 | 33 349 |
| **Midlands** | **689 175** | 87 365 | 429 418 | 5 657 | 138 161 |
| **Masvingo** | **1 039 013** | 16 341 | 289 180 | 20 994 | 61 974 |
| **Grand Total** | **5 241 192** | **502 205** | **3 072 850** | **258 091** | **371 795** |

# Livestock...Cont

- Cattle population currently stands at **5 241 192**, a **2 %** increase from last year's figure of **5 156 753**.
- Calving rate stands at **46%** which is an improvement over the previous season's **45%.**
- Off-take for cattle now stands at **3.45%** down from **5%** in 2010.
- Milk production increased by **16%** in 2011 compared to 2010.
- The National average cattle mortality has remained at almost the same level as the previous. It is currently at **4.03%**, as compared to **4.4%** for 2010, a figure slightly above the acceptable **3%.**
- There was an increase of **8%** in the pig sow herd from **12 000** in 2010 to **13 000** in 2011.

# Livestock Condition, Water and Grazing availability

- Water for livestock was available in most districts at the time of assessment. However, in the low lying regions of the country, (Masvingo, Midlands, Manicaland and Matabeleland South) water shortages are being experienced.

- Water for Livestock is particularly critical in Matebeleland South. The worst affected districts are Beitbridge, Matobo, Gwanda, and Umzingwane.

- The grazing condition ranges from poor to fair in communal areas to good in other farming sectors.

- In some A1 and A2 farming areas, there is grazing capacity that is underutilized.

# Recommendations

- Immediate purchase of grain from farmers at a better price than last season.

- Set aside funds to enable farmers to save breeding stock.
- Repair of irrigation infrastructure.

- Allow Zimbabwean private companies to continue importation of grain (maize and wheat) and mealie meal and flour.
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- Immediately pay all outstanding debts to farmers and crop inputs suppliers (seed and fertilizer).