

STATE OF READINESS

FETSA TLALA

Dr PS KEGAKILWE
Acting HOD
Chief Director: Agric Technical Services
17 OCTOBER 2017



agriculture, land reform
& rural development

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agriculture, land reform & rural development
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA

VISION AND MISSION



A transformed, vibrant Agricultural Sector for Food Security and Sustainable Rural Development

The Department as a lead agent in the sector, will champion land and agrarian transformation, promote and facilitate increased production and provide expertise for improved livelihoods, sustainable rural development and food security for all.



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LAND USE

Livestock Province

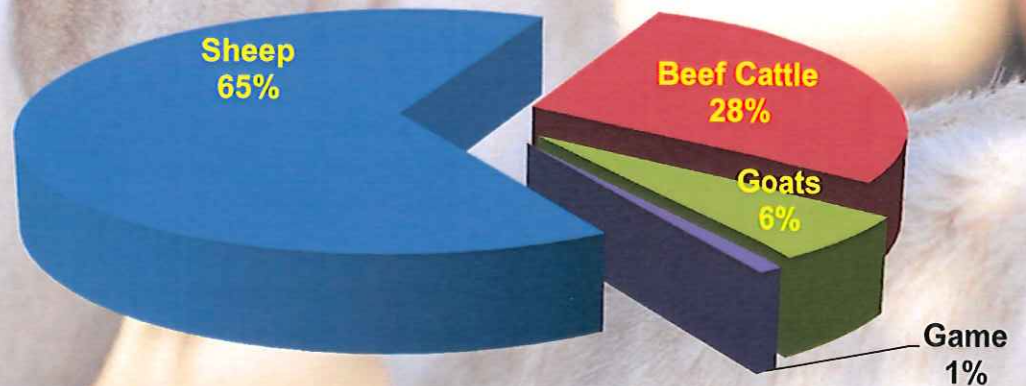
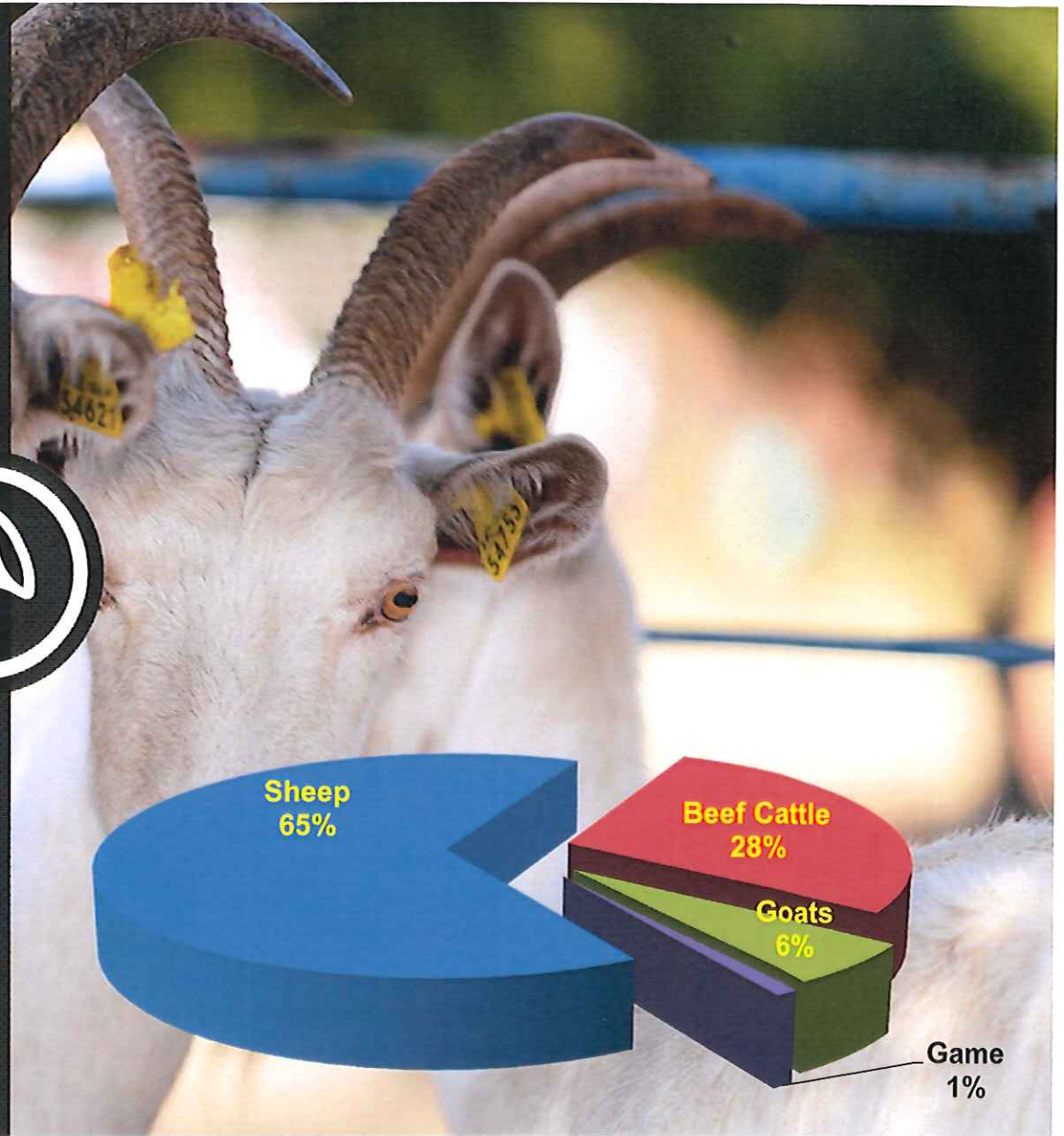
67 % of land use is for Livestock production

- 5,5 m sheep = 25% of National Flock
- 0,517m cattle = 3.58% of National herd

Vaalharts Irrigation Scheme – 32 000 Ha

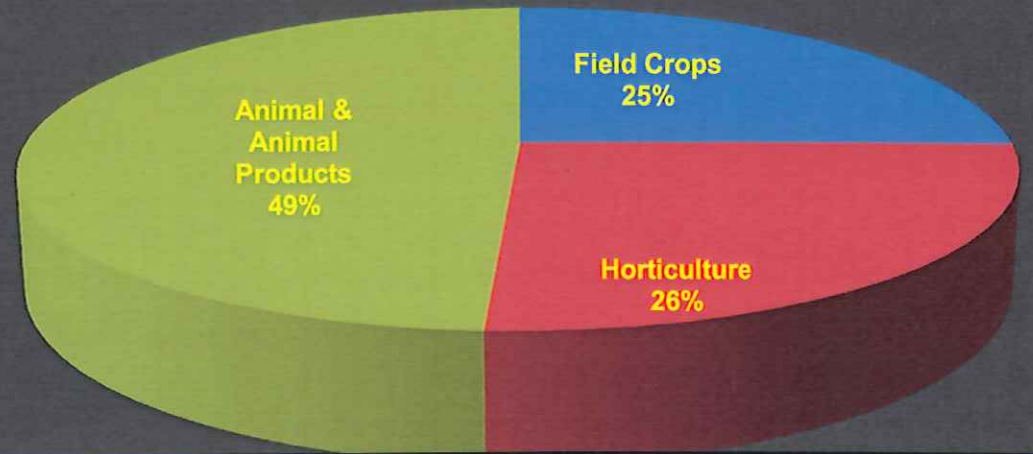
1% is for crop production – mainly under irrigation

- Maize: 5% of National Production
- Wheat: 17% of National Production
- Dry Beans: 2%
- Ground nuts: 16% of National Production
- Oats



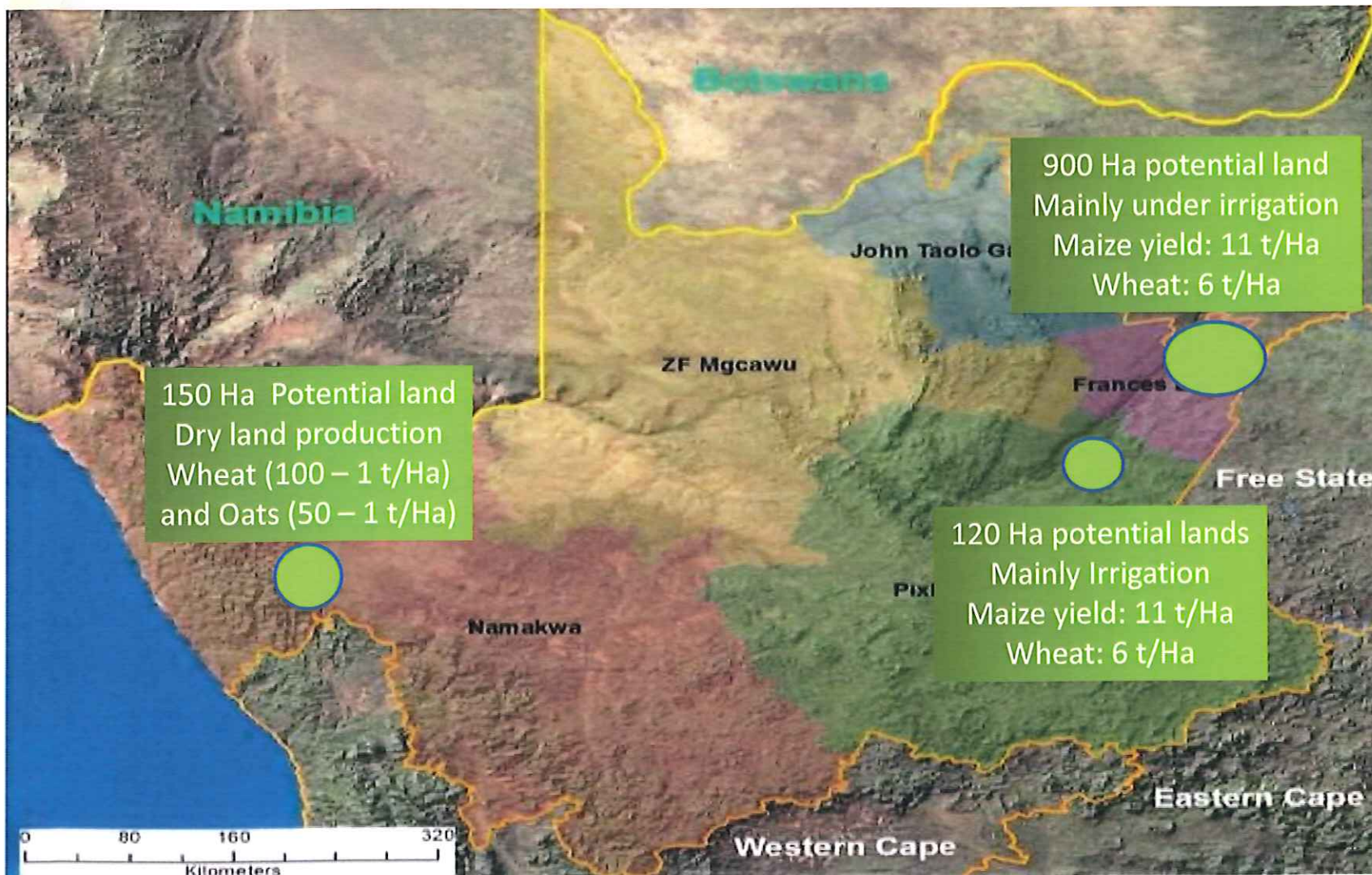


Make up of NC Agric



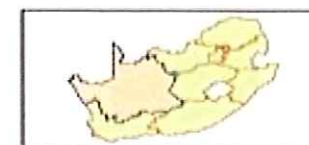
Region	Area under irrigation	Main crops	Irrigation method
Vaalharts	32 000ha	Summer grains, Winter Cereals, Groundnuts, Lucerne, Pecan nuts	Centre Pivot and drip
Middle Orange	44 000ha	Summer Grains, Winter Cereals, Lucerne and Cotton	Centre Pivot
Lower Orange	38 000ha	Wine, dry and table grapes and Lucerne	Flood, drip and micro

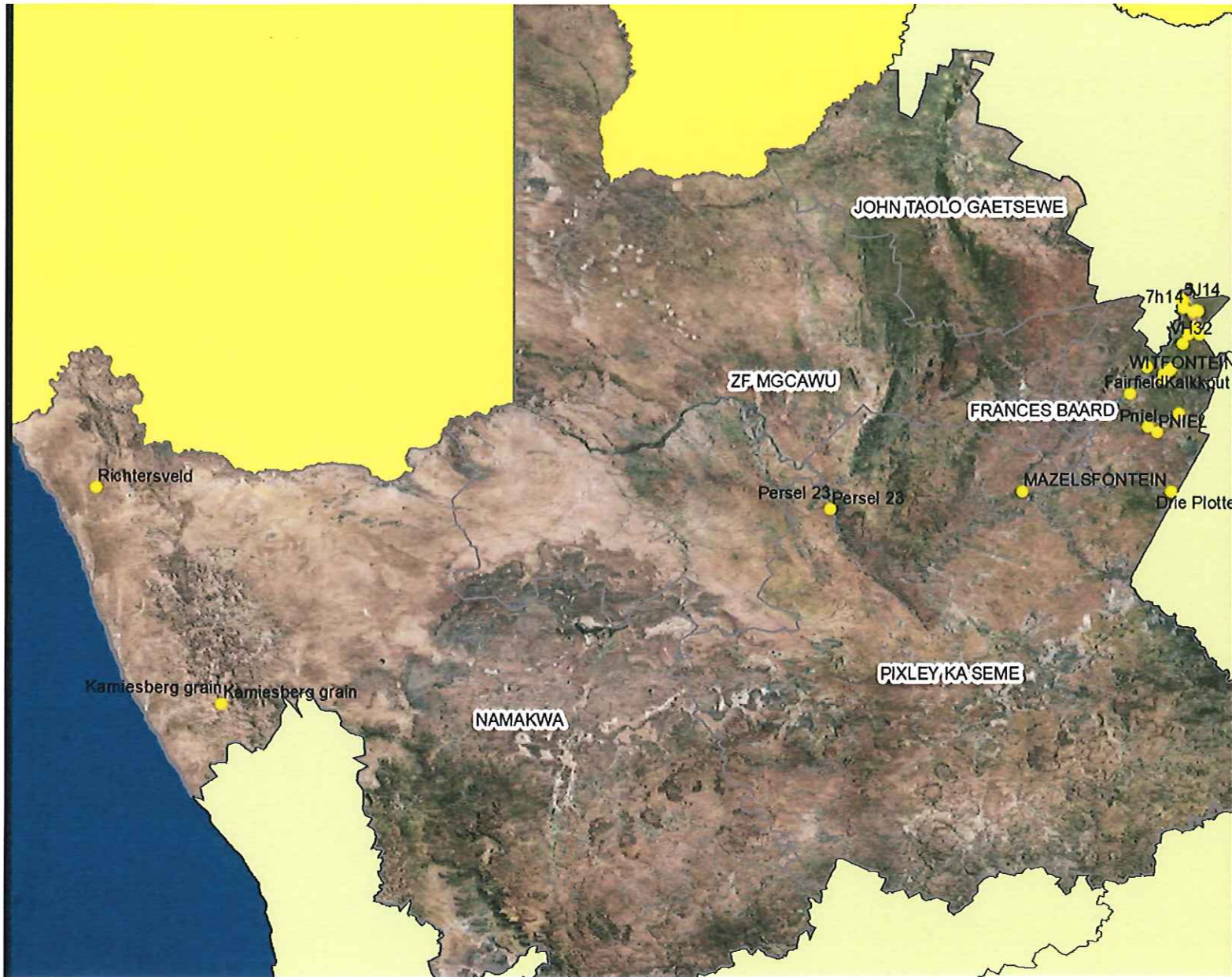
FETSA TLALA – Smallholder



1:4 630 591

PREPARED BY Deon Kriel
FOR Department of Agriculture
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DATE 11/03/2019





- Provinces
- International Boundaries
- District Municipality

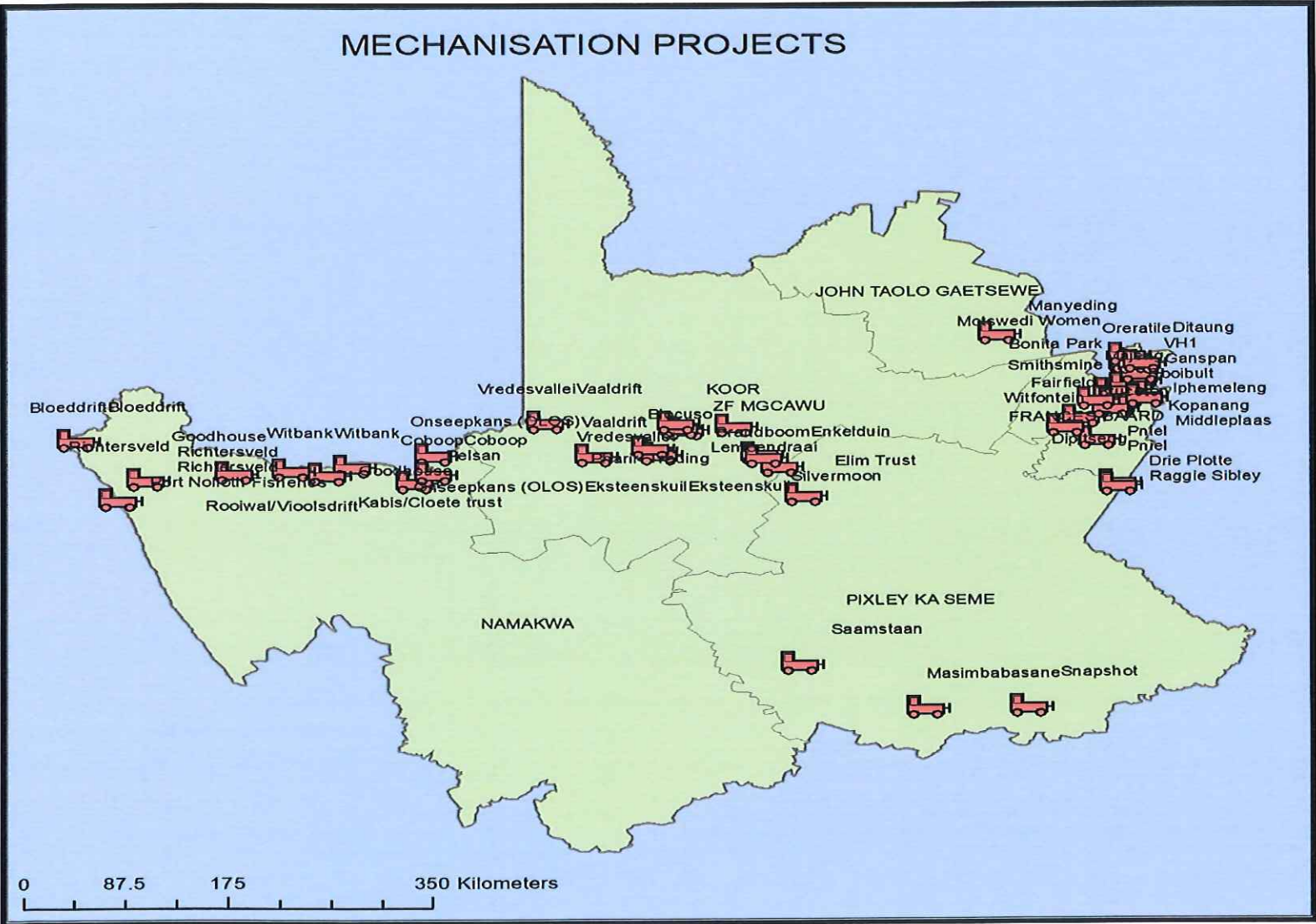
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
Author: L Hlophe
 Coordinate System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Date: 10/16/2017




MECHANISATION PROJECTS




Legend

-  Mechanisation2016_2017
-  District Municipality
-  Provincial



1:5 000 000

Author: L Hlophe
 Coordinate System: GCS WGS 1984
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CURRENT WINTER SEASON 17/18

NC plants Wheat and Oats as winter crops to harvest closer to December – 80 Jobs during planting and harvesting

Winter Crop planted Dry Land Production

- 30 Ha wheat
- 20 Ha Oats (*Previous yr 25Ha*)

Winter Crop planted under Irrigation

- 349 Ha Wheat
- *Previous yr = 237 Ha*

Winter Crop planted under Irrigation

- 60 Ha wheat
- *Previous yr = 20 Ha*

EXPECTATION

- Wheat under Irrigation: 409 Ha planted and yield 6 t/Ha at R3500 / t = R8,59m
- Production costs estimated at R16 000 / Ha = R6,5m

-  Provinces
-  International Boundaries
-  District Municipality

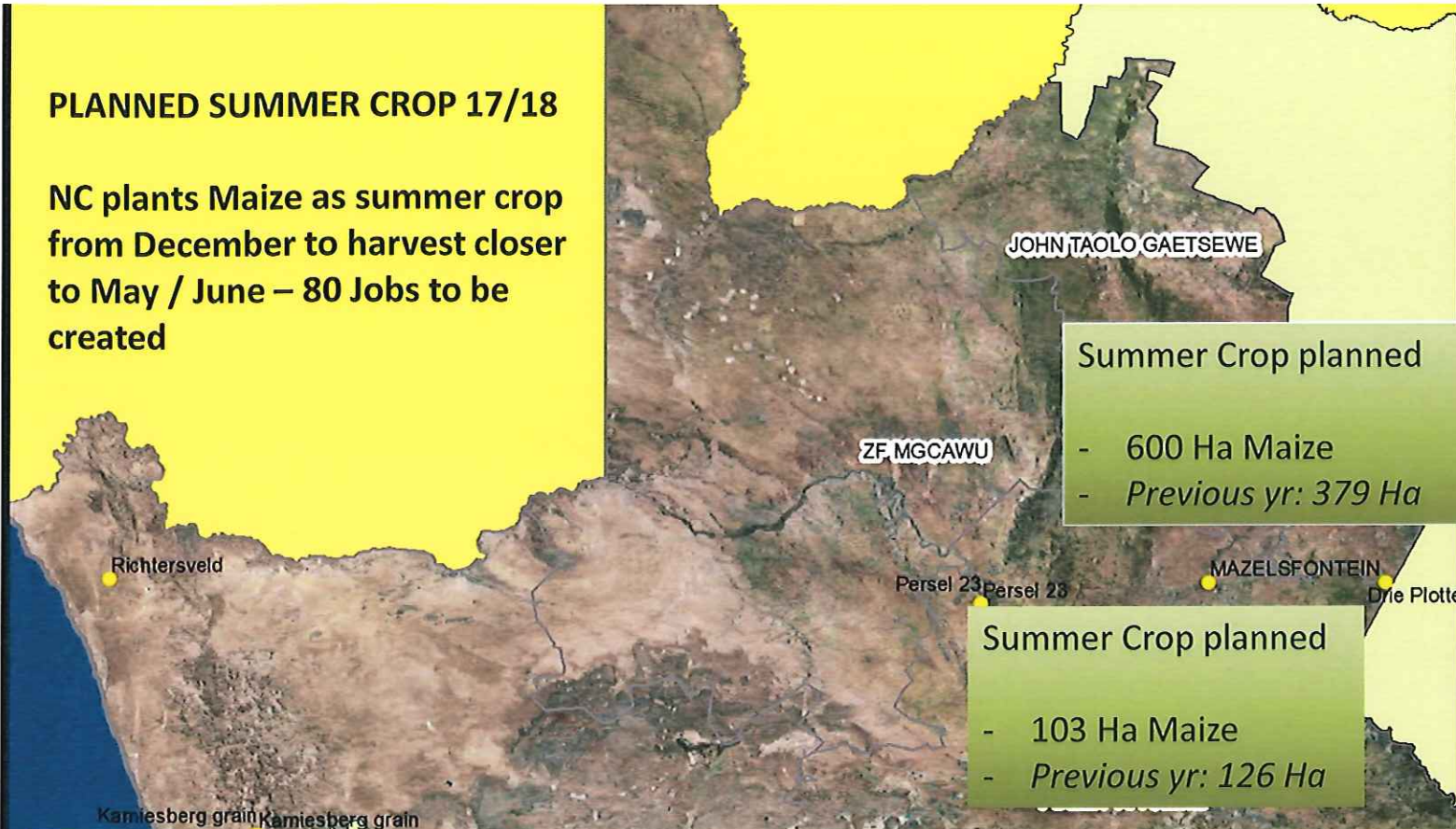
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PLANNED SUMMER CROP 17/18

NC plants Maize as summer crop from December to harvest closer to May / June – 80 Jobs to be created



- Provinces
- International Boundaries
- District Municipality

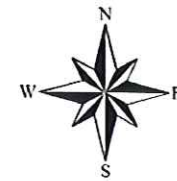
Summer Crop planned

- 600 Ha Maize
- *Previous yr: 379 Ha*

Summer Crop planned

- 103 Ha Maize
- *Previous yr: 126 Ha*

1:5 000 000



EXPECTATION

- 703 Ha under irrigation at a yield of 11 t / Ha (min) and at an average of R2500/t = R19m
- Production costs in the area = R18 000 / Ha = R12,65m

Author: L Hlophle
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Cost/ Activity

Activity	Month	Cost/ha	Total Cost
1. Soil Preparation	November /December 2017		
-Disc Plough		R550	R275 000
-Mould board plough		R600	R330 000
-Disc Plough		R550	R275 000
-Wonder tiller		R300	R150 000
- Planter		R600	R330 000
- Wall block		R250	R125 000
2. Procurement of Production Inputs	October / November 2017		
- Seed		R 4 000	R 2 000 000
- Fertilizer		R 7 000	R 3 500 000
- Herbicides		R 800	R 400 000
-Diesel		R 1 600	R 800 000
2.2 Pesticides & aerial application	March/April 2018	R 800	R 400 000
3. Irrigation	November 2017 to November 2018		
- Wages			R 1 942 480
- Protective clothing			R 35 000



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Frances Baard Planned Projects

Project Name	Municipality	Crop	HA Planned	Expected Yield/ha	Co-ordinates	Number of Mechanization Units available
Moso (Basadi) Cooperative	Phokwane Municipality	white maize 18 bags wheat 90 bags	18.00	12ton/ha maize 6ton/ha	27°53'52 35"S 24°48'50.16"E	maize planter, Boomspray, 65KW YTO Tractor
Plot 7h14	Phokwane Municipality	white maize 20 bags wheat 100 bag	24.00	12ton/ha 6ton/ha	27°46'03.26"S 24°43'45.14"E	65KW YTO, 4 row maize planter, Boomspray, 65KW YTO Tractor 95 John Deer Tractor, Wheat Planter 4 Reversible plough, ten ton trailer 6 ton trailer, small bailer, 6toll Lucerne cut, Lucerne rake, wonder tiller, Fertilizer spread, 18 disc plough, 5 ton ripper
2G5 lphemeleng	Phokwane Municipality	white maize 15 bags wheat 75 bags	15.00	12ton/ha 6ton/ha	24°47'22.69" 24°43'45.14" 24	4 row maize planter, Boomspray, 65KW YTO Tractor 65kw John Deer Tractor 95 John Deer tractor Wheat Planter, 4 Reversible plough, ten ton trailer 6 ton trailer, small bailer 6 toll lucerne cut, lucerne rake wonder tiller, Fertilizer spread 5 ton ripper, 18 disc plough



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Cont...

Project Name	Municipality	Crop	HA Planned	Expected Yield/HA	Co-ordinates	Number of Mechanization units available
Plot 5J14	Phokwane Municipality	white maize 20 bags wheat 100 bags	20	12ton/ha 6ton/ha	27°42'35.54" 24°42'55.97"	Booms prayer 65KW YTO Tractor, 4 Reversible plough, 2x6ton trailer, Lucerne bailer, 6ton ,lucerne cut, Lucerne rake wonder tiller, 18 disc plough silage cut, 4ton silage trailer, Fertilizer spread, 5tin ripper
Ba-ga Mothibi; Plot K1,2,3	Phokwane Municipality	white maize 34 bags wheat 170 bags	34	12ton/ha 6ton/ha	27°40'48,00" S24°47'24,16"E	Boom sprayer. 65KW YTO Tractor, 4 Reversible plough, 2x6ton trailer
Kopano Small Farmers	Phokwane Municipality	white maize 22 bags wheat 110 bags	22	12ton/ha 6ton/ha	27°58'13,07" S 24°47'37,88"E	75Kw tractor, Fertilizer spreader, 6 tonne trailers
25B6	Magareng Municipality	white maize 20 bags wheat 100 bags	37	12ton/ha 6ton/ha	27 57,05'48" S 24 45,44'22"E	4 row maize planter, Fertilizer spread, Booms prayer, 75KW Landin Tractor, 95KW YOT Tractor 65KW YTO Tractor, 65KW John Deer Tractor, 95Jonh Deer tractor, 4 Reversible plough, 10 tons trailer, 6ton trailer, small bailer, 6ton trailer, lucerne cut, Lucerne rake, wonder tiller, 5 ton ripper, 18 disc plough



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Project Name	Municipality	Crop	HA Planned	Expected Yield/HA	Co-ordinates	Number of Mechanization units available
Ditaung Agricultural Coop	Phokwane Municipality	White maize 9 bags Wheat 45bags	150	12ton/ha 6ton/ha	27°47'17,37" S24°49'39,83"E	4 row maize planter, Fertilizer spread, Boom sprayer, 75KW Landin Tractor, 120KW YOT Tractor 65KW YTO Tractor, 65kw John Deer Tractor, 95Jonh Deer Tractor, 4 Reversible plough, ten ton trailer 6ton trailer, small bailer 6toll lucerne cut, lucerne rake wonder tiller, 5 ton ripper 18 disc plough, Lucerne Planter
VH20	Phokwane Municipality	White maize 20 bags Wheat 100 bags	30	12ton/ton 6ton/ton	27°47'17,37" S24°49'39,83"E	4 row maize planter, Boom sprayer, 95Jonh Deer Tractor, 4 Reversible plough, ten ton trailer, 6ton trailer small bailer, 6tolucerne cut lucerne rake, wonder tiller 5 ton ripper, 18 disc plough Fertilizer spread
Witfontein	Dikgatlong Municipality	White maize 35 bags Wheat 175bags	35	12ton/ha 6ton/ha	28°09'49,09"S 24°35'21,27"E	Boom sprayer, 65KW YTO Tractor, 98KW YTO Tractor, 4 Reversible plough ten ton trailer, 6ton trailer small bailer, 6ton ,lucerne cut, Lucerne rake, wonder tiller, 5 ton ripper 18 disc plough



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Project Name	Municipality	Crop	HA Planned	Expected Yield/HA	Co-ordinates	Number of Mechanization units available
Rooibult Commonage	Dikgatlong Municipality	White maize 23 bags Wheat :115 bags	23	12ton/ha 6ton/ha	28°12'15,15"S 24°37'55,08"E	Boom sprayer 65KW YTO Tractor
Paardenkamp Commonage		White maize 30 bags Wheat :150 bags	30	12ton/ha 6ton/ha	28°11'34,06"S 24°38'09,09"E	Boom sprayer, 65KW YTO Tractor 120kw YTO Tractor, 4 Reversible plough, 6ton trailer, 5 ton ripper 18 disc plough, Fertilizer spread
Kalkput	Dikgatlong Municipality	white maize 24 bags Wheat :120 bags	24	12ton/ha 6ton/ha	28°15'57,41"S 24°35'12,45"E	None. Currently leasing
Pniel Youth Cooperative	Dikgatlong Municipality	white maize 60 bags Wheat: 300 bags	30	12ton/ha 6ton/ha	28°35'6.53"S 24°30'46.47"E	Boom spray, 65KW YTO Tractor, 120KW YTO Tractor, 95 Jonh Deer tractor Fertilizer spread, 2x4 Reversible plough, 2X6ton trailer, 2X5 ton ripper 2x18 disc plough
Killarney Commonage		white maize 52 bags Wheat 100 bags	52	12ton/ha 6ton/ha	28°30'21,66"S 24°42'27,02"E	6 row maize planter, Boom sprayer 75 LANDIN kw Tractor, 95Jonh Deer Tractor, 4 Reversible plough, ten ton trailer, 2x6ton trailer, small bailer 6toll lucerne cut, Lucerne rake, wonder tiller, 5 ton ripper, 18 disc plough



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Project Name	Municipality	Crop	HA Planned	Expected Yield/HA	Co-ordinates	Number of Mechanization units available
Fair Field	Dikgatlong Municipality	White maize 40 bags Wheat 200 bags	40	12ton/ha 6ton/ha	28°21'51,15" S24°21'02,40"E	YTO 75kw tractor 6 ton trailer
Smiths Mine	Dikgatlong Municipality	White maize 20 bags Wheat 100 bags	20	12ton/ha 6ton/ha	28°12'15,15" S24°37'55,08"E	120kw YTO Tractor
VH32	Magareng Municipality	White maize 20 bags Wheat 100 bags	20	12ton/ha 6ton/ha	27°59'48.47"S 24°38'16.31"E	None. Currently leasing
5H16	Phokwane Municipality	White maize 20 bags Wheat 100 bags	20	12ton/ha 6ton/ha	27°46'13.85"S 24°42'46.92"E	None. Currently leasing
VH1	Phokwane Municipality	white maize 17 bags Wheat 85 bags	17	12ton/ha 12ton/ha	27°57'05.10"S 24°45'43.04"E	65KW TRACTOR

DISTRICT SUB-TOTAL

600



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Pixley Ka Seme Planned Projects

Project Name	Municipality	Crop	HA Planned	Expected Yield/ha	Co-ordinates	Number of Mechanization units available
Drieplotte	Thembelihle Municipality	7,5t Yellow maize (PAN3471 x 30 bags) Wheat 150 bag	30	11ton/ha 8ton/ha	29°03'20.31"S, 24°38'03.35"E	60kw Landini Tractor, 66.5kw YTO Tractor, 600Lt Boom Sprayer 6ton trailer, Lucerne mower 4wheels Hay Rake, Disc plough, Fertilizer spreader, Baler, 2taan Waal blok, 7ton Lucerne cutter 65KW YTO Tractor
Mazzelsfontein/ Katlani	Siyacuma Municipality	Yellow maize 63 bags Wheat: 280 bags	56	11ton/ha 8ton/ha	23°35'3.52" S: 29°29'38.31"E	75kw tractor, Lucerne cutter, rake, mower and mower
Perseel 23	Thembelihle	Yellow maize 20bags Wheat :80 bags	17	11ton/ha 8ton/ha	29°10'57.77"S, 22°14'56.83"E	60Kw Tractor, 18 disc offset disc, 2 row planter, 4 row disc plough 4 furrow plough,6 ton trailer boom sprayer, fertilizer spreader, rotary slasher.

DISTRICT SUB-TOTAL

103ha

TOTAL

703 Ha



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THANK YOU

