599 How Odendaal

rural development & agrarian reform

Department:
Rural Development & Agrarian Reform
PROVINCE OF THE EASTERN CAPE

OFFICE OF THE MEC: RURAL DEVELOPMENT AND AGRARIAN REFORM

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14 November 2019

The Honourable Speaker
Eastern Cape Provincial Legislature
PRIVATE BAG
X0029
BHISHO
5605

Dear Hon Sauls-August

SUBJECT: DEPARTMENTAL RESPONSES TO THE INTERNAL QUESTIONS FOR WRITTEN REPLIES

As per the Provincial Legislature rules, receive the response affecting tne Department of Rural Development and Agrarian reform. Attached find reply IQP 22 to question number 559 respectively.

Hope you will find the above in order

Kind regards

HON. N.METH
MEC DRDAR

RECEIVED
HANSARD & LAW - MAKING
DATE: 21/11/19
SIGNATURE:

Province of the
EASTERN CAPE
DEPARTMENT OF RURAL DEVELOPMENT AND AGRARIAN REFORM

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Our Reference:	B. Ngcongolo-Mdoda	Your Reference:	

TO : HANSARD AND HOUSE BUSINESS

FROM : MEC FOR RURAL DEVELOPMENT AND AGRARIAN REFORM

SUBJECT: RESPONSES TO IQP NO 22 WITH QUESTION NO 559 FOR WRITTEN REPLY

559. Mr R Odendaal to ask the MEC responsible for Rural Development and Agrarian Reform:

QUESTION	RESPONSE
(1)Whether she can kindly list the experimental farms and/or facilities of this nature of her Department in the province?	1. Dohne A.D.I 2. Bathurst R.C. 3. Adelaide R.F 4. Cradock R.C. 5. Wolwehoek R.F. 6. Jansenville R.F. 7. Mthatha Dam
(2)(a) What research work and/or experimental work is carried out at each of these facilities and (b) How her Department utilizes this research work to benefit farmers and/or other agricultural entities/organizations in the province?	**2.1 Dohne A.D.I** **a) Experimental Work** There are 23 research projects concucted in this Farm in the field of animal, pasture and crop sciences. These are focusing in the broad areas below: 2.1.1 Improvement of Dohne Merino and Nguni where its important genetic traits are improved through genetic selection and these animals are preserved. This herd & flock remains the live biological gene banks by contributing towards DNA bank for genomic research. 2.1.2 Development of economic viable management system for beef cattle's. 2.1.3 Develop milk production norms for small scale and household dairy production norm using Holstein & Dexter cattle 2.1.4 Control of internal parasites using ethno-veterinary and conventional methods. 2.1.5 Maize cultivar evaluation 2.1.6 High value vegetable evaluation and performance under controlled environment 2.1.7 Development of fertilizer regime and use of various plant nutrients source of for the optimum production of vegetables. 2.1.8 Development of production norms for essential oil production using *Artemisia afra* 2.1.9 Demonstration of use of fire for veld management of sustainable livestock production 2.1.10 Use of forage legumes for rehabilitation and nutrients supply in the degraded old lands **2.2 Bathurst R.C.**

A) Experimental work:

There are 12 research projects conducted in the farm in the field of crop, pasture and animal sciences. These are covered by broad themes below:

2.2.1 Establishment of Boer and Indigenous (Mbuzi) goat flocks in a heartwater infested region
2.2.2 Performance of testing and development of cattle bulls in heartwater infested area.
2.2.3 Development of economic viable cattle production system specifically for coastal thornveld areas
2.2.4 Production of seed and grass material for revegetation of degraded rangelands
2.2.5 Development and demonstration of insect pest control methods for maize using integrated techniques.
2.2.6 Establishment of sweet potato nursery for the supply of vegetative material to farmers
2.2.7 Production of vegetable in the semi-controlled environment
2.2.8 The development and evaluation of an anti-tick vaccine for cattle and goats

2.3 Adelaide R.F.

A) Experimental work

There are three (3) research projects taking place in this farm in the areas of animal and pasture sciences.

2.3.1 A genetic evaluation of the improved Boer Goat in the grass bush communities of the Eastern Cape
2.3.2 Stucy on population dynamics of native tick, and the invasive cattle tick, in the Eastern Cape Province (site sampling)
2.3.3 The optimum planting density of *Cactus pear* in the False Thornveld of the Eastern cape

2.4 Cradock R.C.

A) Experimental work

There are five (5) research projects taking place in this farm in the areas of animal, crop and pasture sciences.

2.3.1 Maintenance of Merino flock as resource herds for research and reference herds for a biological bank for Merino sheep in SA
2.3.2 Studies on the detection, control by vaccination and the genetics of ovine Johne's disease (OJD)
2.3.3 Develop the cashmere goat flock in support of the cashmere industry in South Africa
2.3.4 Lucerne cultivar evaluation for the industry
2.3.5 Comparative studies on the control of insect pest on cabbage control integrating cultures as well as biological control methods.

2.5 Wolwehoek R.F:

A) Experimental work

There are two (2) projects taking place in this farm.

2.5.1 Development and establishment of cashmere goat flock to support cashmere industry in South Africa
2.5.2. Establishment of reproduction and production potential of Nguni Cattle on *Karroid danthonia* mountain veld

2.6 Jansenville R.F.

2.6.1 The development and evaluation of an anti-tick vaccine for cattle and goats

	2.6.2 The optimum planting density of *Cactus pear* for forage production in the Noorsveld. **2.7. Mthatha Dam** 2.7.1 Development of freshwater production norms using Tilapia in hatchery and earthen ponds. 2.7.2 Syringa tree grows as an invader tree in South Africa, therefore the project explores possible use of this tree as an effective alternative pesticide that can assist the farmers in their ongoing fight against maize stalk borers **B) Benefits accrued by farmers** I. Supply genetic superior animals to resource poor farmers through Livestock Improvement Scheme II. Sell genetic superior animals to resource poor farmers through auction Department Disposal process III. The research results are disseminated to farmers using various communication platform (Radio talks, popular magazine publications, information days, seminar presentation IV. Supply vegetative plant material to farmers for food production V. Supply seed and vegetative material to farmers to increase for production VI. Provide critical information in establishing methods to determine OJD and to provice farmers with information on effectiveness of vaccination against OJD. VII. Provide training facilities to farmers.
(3) Whether her Department has any livestock at any of the aforementioned facilities; if so, what livestock were being kept at the respective facilities as at 31 March 2018 and 31 March 2019 respectively?	**3** Yes, except at Mthatha Dam **3.1 Dohne A.D.I** Dohne merino sheep Bonsmara cattle Nguni cattle Holstein cattle Dexter cattle **3.2 Bathurst R.C.** Bonsmara cattle Nguni cattle Mbuzi goats Boer goats Angoara goats **3.3 Adelaide R.F.** Boer goats Nguni cattle Bonsmara cattle Holstein cattle **3.4 Cradock R.C.** Merino sheep Cashmere goats **3.5 Wolwehoek R.F.** Cashmere goats Nguni cattle **3.6 Jansenville R.F.** Angora **3.7 Mthatha Dam** None
(4) Whether there were any of the aforementioned livestock sold in the 2018/19	**4** Yes **4.1 Dohne A.D.I** 4.1 (a) 191 cattle & 302 sheep

financial year as at the latest specified date for which information is available; if so, what (a) number of livestock was sold and (b) Was the income received from each unit of livestock sold during the aforementioned financial year as at the latest specified date for information is available?	4.2 (b) R452 083 & R178 331.40 **4.2 Bathurst R.C.** 4.2(a) 35 cattle & 51 goats 4.2(b) R81 560 & R26 470 **4.3 Adelaide R.F.** 4.3 (a) 16 cattle & 67 goats 4.3 (b) R57 800 & R23 490 **4.4 Cradock R.C.** 4.4 (a) 101 sheep & 24 goats 4.4 (b) R86 895.47 & R48 177.16 **4.5 Wolwehoek R.F.** 4.5 (a) 46 cattle & 25 goats 4.5 (b) R81 090 & R8 360 **4.6. Jansenville R.F.** 4.6 (a) 97 goats 4.6 (b) R32 925
(5) Whether her Department has suffered any losses as a result of livestock being stolen at any of its facilities during the financial year mentioned above as at the latest specified date for which information is available; if so, (a) at which facilities and (b) What was the extent of the loss in both unit number of livestock as well as monetary value thereof?	**5** Yes 5 (a) **Dohne A.D.I** 5 (b) 6 cattle & 1 sheep (± R37 000) 5 (a) **Bathurst R.C.** 5 (b) 1 goat (± R500) 5 (a) **Adelaide R.F.** 5 (b) 3 goats & 1 cattle (± R8 000) 5 (a) **Cradock R.C.** 5 (b) 5 sheep (± R5 000)
(6) Whether any livestock has died at any of the aforementioned facilities during the financial year specified above as at the latest specified date for which information is available; if so, (a) at which facilities and (b) What was the extent of said loss in both unit number of livestock as well as monetary value thereof?	6 Yes 6 (a) **Dohne A.D.I** 6 (b) 20 cows & 43 sheep (± R143 000) 6 (a) **Bathurst R.C.** 6 (b) 11 cattle & 19 goats (± R53 000) 6 (a) **Adelaide R.F.** 6 (b) 15 goats (± R7 500) 6 (a) **Cradock** R.C. 6 (b) 27 sheep (± R27 000) 6 (b) 12 goats (± R6 000) 6 (a) **Wolwehoek R.F.** 6 (b) 4 goats (± R2 000) 6 (a) **Jansenville R.F.** 6 (b) 98 goats (± R49 000)
(7) What (a) crops were planted at each of the aforementioned facilities, (b) was the yield, per hectare, in each instance and (c) is the industry standard yield, per hectare, in comparison with the yield per hectare that were received in each instance at these facilities?	a) i. Dohne: Maize (silage & standing foggage), forage plants (grazing & hay) ii. Bathurst: Maize (grain) & forage plants (grazing & hay) iii. Cradock: Maize (grain) & Lucerne b) The average yields over time have been comparable to cultivar and production conditions grown in. There is variability in accordance to environmental factors as most of these are grown under dryland conditions. - Silage = 17ton/ha

	- Grain Cradock = max achieved 7ton/ha & lowest 3ton/ha - Grain Bathurst = max 4ton/ha & lowest 2.5 ton/ha - Hay Bathurst = on average on all grasses 8 ton/ha - Cradock Lucerne = 12 ton/ha

HON. N. METH (MPL)
MEMBER OF EXECUTIVE COUNCIL
DEPARTMENT OF RURAL DEVELOPMENT AND AGRARIAN REFORM

DATE: 14 November 2019