

HARD-WORKING FARMERS

celebrate their success

NE OF THE MOST COLOURFUL DAYS ON THE GRAIN SA CALENDAR, TOOK PLACE ON 20 SEPTEMBER AT NAMPO PARK. THE DAY OF CELEBRATION EMBODIES NOT ONLY THE RICH DIVERSITY OF SOUTH AFRICA, BUT ALSO THE UNIFYING PASSION FOR AGRICULTURE THAT EXISTS WITH-IN THE COUNTRY'S FARMING COMMUNITY.

The aim of the celebratory function is to give recognition to emerging farmers who are part of the PGP Farmer Development Programme and who excel in their respective categories. In preparation of the event, judges travelled to all ends of South Africa to identify finalists in the various categories.

Derek Mathews, chairman of Grain SA, congratulated all the finalists and top achievers, saying that there needs to be recognition for farmers who are in their fields through drought and in rain. 'Be proud to be a farmer and use every opportunity. Keep to your commitments and together we will grow,' he concluded.

PROGRAMME

Grain SA farmer development lead, Dr Sandile Ngcamphalala, and Jeremia Mathebula, vice chairperson of Grain SA, launched Phahama Grain Phakama (PGP) during the event. PGP is an independent arm of Grain SA and forms one of the core business units of the organisation. The aim of the programme is to equip individual farming enterprises towards becoming self-sustainable and to make a significant contribution to the national goal of a united and prosperous agricultural sector.

Sponsor representatives, Dr Langelihle Simela (business development manager: Absa AgriBusiness Centre of Excellence), Sakhumzi May (acting executive manager: Agricultural Economics and Advisory, Landbank), Dr Nolwazi Mkize (regulatory lead for Africa, Bayer), Diale Tilo (executive director, Kgodiso Development Fund), Fortune Mathiba (operations manager at John Deere Financial), Andries Wiese (Hollard Insure) and Marthinus Loock (senior manager: AgriBusiness at Standard Bank) took turns to speak about the importance of farmer development and the role each of these organisations play in partnership with Grain SA.



GRAIN SA/ABSA/JOHN DEERE FINANCIAL SUBSISTENCE **FARMER OF THE YEAR**

Busisiwe Msibi who farms on land near Volksrust, joined the Grain SA's Beyond Abundance programme nine years ago. In the 2022/2023 season she planted maize on 3 ha and dry beans on 0,5 ha. At the Msibi homestead they expect to harvest a total maize yield of around 14 tons.

2: Finalists in the Potential Commercial Farmer of the Year category were Philani Khoza, Zoliwe Nombewu and Kopano Lentswetshipi. Here is the very happy winner, Philani, smiling at his family and friends.

1: Finalists in the Subsistence Farmer of the Year category (photo on the right) were Thabisa Mthwayi, Beauty Gumbi Bisisiwe and Portia Msibi. They all received a prize from Backsaver Farming Equipment. The winner, Portia, is congratulated by Derek Mathews.

GRAIN SA SMALLHOLDER FARMER OF THE YEAR

Nkosinathi Hadebe farms on communal land near Newcastle in KwaZulu-Natal. This former policeman farms with maize and livestock and was introduced to farming by his parents. He joined a Grain SA study group in 2019 and started on 2 ha of maize from where he has expanded to 15 ha using his own equipment. Hadebe rents 230 ha of grazing land for his livestock.



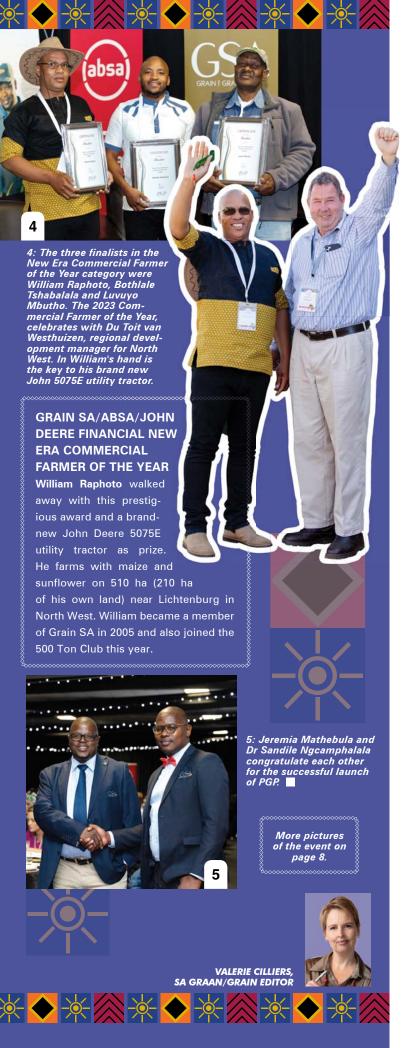
Philani Khoza from Dukuza in Kwa-Zulu-Natal, plants maize and soybeans. He joined Grain SA in 2014 and through the mentoring programme, he started to plant 1 ha which has increased to 82 ha. His future plans are to increase the hectares of commercial land he is currently renting near Bergville and to eventually acquire his own land.

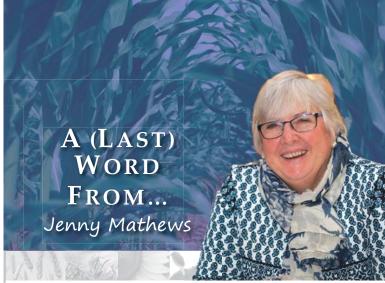
Photos by Lizel Snyman.



3: Finalists in the Smallholder Farmer of the Year category were Amos Mahlangu, Nkosinathi Hadebe and Siphiwo Mahlinza. A big smile from the winner, Nkosinathi Hadebe – with him is his wife Sibongile.







T'S THE END OF THE YEAR AND FOR MANY GRAIN FARMERS AROUND THE COUNTRY IT'S THE BEGINNING OF A NEW CROPPING SEASON. FOR ME, IT'S THE END OF A SEASON!

After 18 years of involvement with Grain SA, it's now time for me to focus on other things. My heart is full of all the rich experiences that my involvement has given me. I'm thankful for the opportunities I've had to meet dedicated personnel on the Grain SA teams, who inform and champion farmers and development.

Hard-working farmers around the country have inspired me and made me passionate about development in the agricultural sector. I've written reports, articles and training manuals. I've served as a judge for the Farmer of the Year and found it increasingly hard to choose the best of the best – because so many farmers have become very good at what they are doing. I have spoken up on matters that affect developing farmers and have even spoken to politicians with some of you to tell them what our needs are.

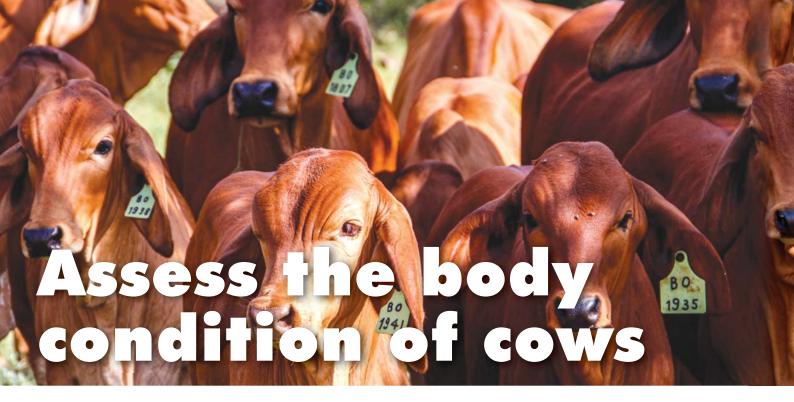
I have taught – but have been taught more!

I had a poster on my classroom wall with these encouraging words: 'Don't judge each day by the harvest you reap but by the seeds that you plant.' Development work is not easy. It's often two steps forward and one step back. Too often hidden agendas, politics and greed get in the way of good things happening. Development demands change and change is hard. But change is also good, and transformation is even better!

It is time for farmers from all corners of the grain-growing community to plug in, get informed and speak up. Farmers, please use your communication channels and make sure you are heard! Speak up for Grain SA/Phahama Grain Phakama. Tell your policymakers and decisionmakers about the integrity and value of the Farmer Development Programme. Tell them who you want to partner with on the development journey! As Martin Luther King said: 'Our lives begin to end the day we become silent about things that matter.'

Thank you for the opportunities to serve the grain farmers of our country. May God bless us and the work of our hands.

- Jenny Mathews served on the Farmer Development Working Group from 2005 to 2023, chairing it for seven years. Her contribution to Pula will be sorely missed. ■



HE BODY CONDITION SCORING (BCS) OF CATTLE ALLOWS FARMERS TO ASSESS THE FAT RESERVES OF COWS DURING VARIOUS PRODUCTION PHASES. WHEN EVALUATED AT KEY PRODUCTION TIMES, THIS INFORMATION CAN BE USED IN MANAGEMENT AND FEEDING DECISIONS. THE AIM OF BCS IS TO OBTAIN A SIMPLE AND RELIABLE MEASURE OF THE LEVEL OF BODY FAT RESERVES IN LIVE ANIMALS.

It is important for a farmer to keep his eyes on his cattle and to spend time with the herd to keep them fat, but what should a farmer look at when he is with his cattle? The most important aspect is to determine that each animal's stomach is filled and that it was also filled yesterday. This is very important, as enough feed will lead to the production of calves. Therefore, it is important to look at the BCS because this will help the farmer to keep track of what is happening throughout the year.

FEEDING AND MANAGEMENT

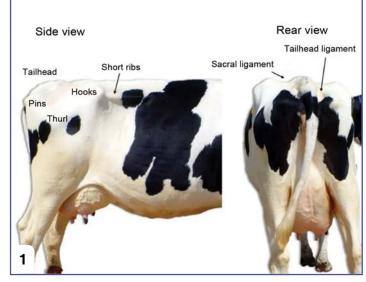
Cattle farmers can use BCS to regulate the feeding and management, which will ensure that breeding cattle are in an appropriate condition at different stages of their production cycle. Action can then be taken to alter the condition of cows that are not in the right condition at critical stages. Scoring can be done easily in circumstances where weighing may be impossible or impractical.

The technique is easily learned and is most useful when practised regularly by the same person in the same herd over several years. The use of technology such as regular photos of each cow can be of helpful to see changes in a cow.

BCS OF BEEF COWS

Variation in the BCS of beef cows has several practical implications. The condition of cows at calving is associated with the lactation performance of each cow, as well as the health of the new-born calf. Incidents of calving difficulty increase in extremely fat heifers, although the condition is often overrated as a cause of calving difficulty in older cows.

However, the condition of cows at breeding affects their reproductive performance in terms of the number of services required



Evaluation marks in assigning BCS.

per conception, calving interval and the percentage of cows failing to become pregnant during the breeding season.

Numbers are used in the BCS system to describe the relative fatness or body composition of the cow. The scoring system for beef cattle has a range of one to five, with one representing very thin cows and five representing very fat cows. A cow with a BCS of three is in an average condition. Evaluation focusses on the backbone, ribs, hip bones, rump, pin bones, tailhead and thigh, as evaluations marks used in assigning the BCS illustrate in **Photo 1**.



Thinner cows look very sharp, angular and skinny, while fatter cows look smooth and boxy with bone structures increasingly hidden from sight or touch.



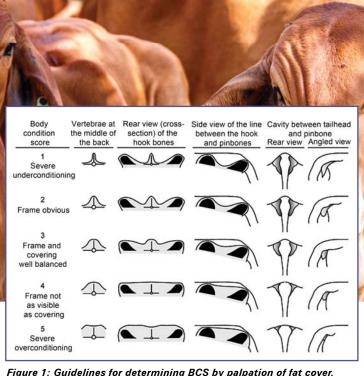


Figure 1: Guidelines for determining BCS by palpation of fat cover.

Source: https://www.pakdairyinfo.com/bcs.htm

Look at the following when doing the body condition scoring of cows (See Figures 1 and 2):

- · Backbone: Is it flat or is there a ridge? Can you see or easily feel notches?
- Long ribs: Can you see or easily feel the ribs? If visible, how many can you see?
- Short ribs: Can you see the short ribs? What do they feel like? Are the rib ends sharp or rounded?
- · Hip bones: Are the hip bones rounded or angular?
- Rump: Is the area between the pins and hip bones, flat, sunken or hollow?
- Pin bones: Are they pointed, 'tap'-like or rounded?
- Tailhead: Is there a hollow space between the tail head and pin bones? Is it a deep V- or shallow U-shape?
- Thigh: Is the area indented, flat or rounded? Is the muscle struc-

The system is relatively simple: Thinner cows look very sharp, angular and skinny, while fatter cows look smooth and boxy with bone structures increasingly hidden from sight or touch.

By comparing the newest BCS with the previous BCS, the change can be measured and correction actions can be implemented. Changing the licks or camps can have a major impact on the BCS and eventually on the calving percentage. A body conditioning score of one or two will improve with the inclusion of maize in the feed mix.

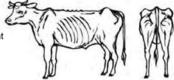
Remember that gut fill and late pregnancy can make animals appear fatter than they are.

Farmers must aim to keep cows' BCS between a score of two and four, with the aim at three. When this is done, cows will produce calves and each cow will have enough milk to produce a good weaner calf. The body condition, particularly at calving, has a major influence on pregnancy outcomes in cow-calf operations.

Take a yearlong approach by doing body condition scoring of the cow herd (or a representative portion of the herd) periodically during the season. This will help to make informed decisions related to

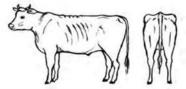
Condition score 1

Backbone prominent Hips and shoulder bones prominent Ribs clearly visible Tail-head area recessed Skeletal body outline



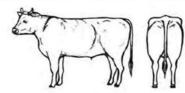
Condition score 2

Backbone visible Hips and shoulder bones visible Ribs visible faintly Tail-head area slightly recessed Body outline bony



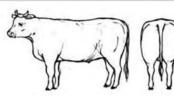
Condition score 3

Hip bones visible faintly Ribs generally not visible Tail-head area not recessed Body outline almost smooth



Condition score 4

Hip bones not visible Ribs well covered Tail-head area slightly lumpy Body outline rounded



Condition score 5

Hip bones showing fat deposit Ribs very well covered Tail-head area very lumpy Body outline bulging due to fat

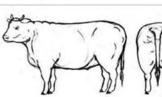


Figure 2: Body conditioning score guidelines.

Source: https://www.researchgate.net/figure/Cattle-body-condition-scoringsystem-Anon1994-Body-condition-scores-BCS-of-1-5-were fig14 267948147

weaning, supplementation, forage and other management that can affect the body condition.

Proactive management can help farmers to keep their cows in a seasonally appropriate body condition economically, allowing the operation to achieve optimal reproductive performance.



INDEPENDENT AGRI-**CULTURAL CONSULTANT**

An in-DEPTH LOOK at the past maize season

N THE BIGGEST PART OF THE MAIZE PRODUCTION AREA, THE PLANTING SEASON IS OVER. LET'S LOOK BACK ON THE 2022/2023 MAIZE SEASON.

When looking back at this season, the previous four seasons will be compared to it and broken down into two sections.

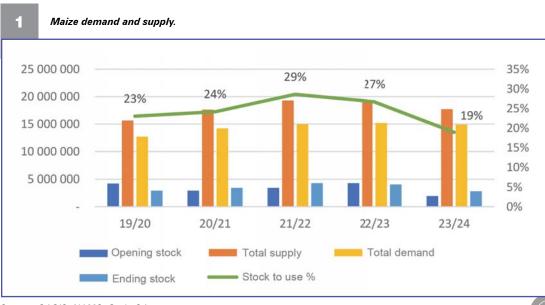
- The first section will focus on the performance of supply and demand, with the following included: Opening stock, ending stocks, total supply, total demand and stock-to-use percentage.
- The second section will focus more on the processing of maize and the exports, including human consumption, animal/industry consumption and exports. The objective of this article is to measure

the performance of this year against the performance of the previous four years.

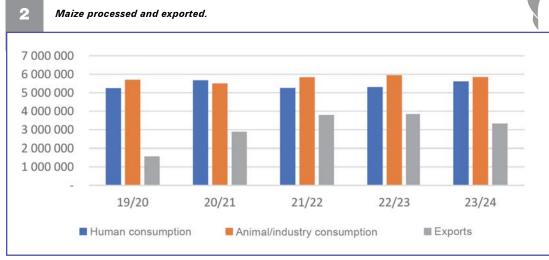
DEMAND AND SUPPLY

Graph 1 illustrates the maize demand and supply performance in terms of the opening stock (blue bar), total supply (orange bar), total demand (yellow bar), ending stock (light-blue bar) and the stock-to-use percentage as a green line.

Comparing the opening stock and ending stock, it is clear there was an increasing trend from the 2020/2021 season onwards until 2022/2023. This trend is also visible in the total supply, but only from the 2019/2020 season until 2021/2022. In the 2022/2023 season, there



Source: SAGIS, NAMC, Grain SA



Source: SAGIS, NAMC, Grain SA



will be a lower supply number due to fewer plantings and, therefore, a lower opening and ending stock for the 2023/2024 season.

The rule of thumb is that the stock-to-use percentage should be about 12% for it not to have a downward effect on prices. As can be seen in Graph 1, the stock-to-use percentage is higher than 20%, which means that there is an overproduction of maize and it must be exported. The 2023/2024 season is estimated to have a stock-to-use percentage of 19%, which is not great compared to the rule of thumb but better than the 27% of the previous season.



The 2023/2024 season is estimated to have a stock-to-use percentage of 19%, which is not great compared to the rule of thumb but better than the 27% of the previous season.



PROCESSED AND EXPORTED

Graph 2 illustrates the maize processed and exported, which includes human consumption (blue bar), animal/industry consumption (orange bar) and exports (grey bar).

From the 2019/2020 season onwards, the exports increased until the 2022/2023 season, which is correlated with the stock-to-use ratio in Graph 1. When the stock-to-use ratio was at its highest, the exports were also at their highest.

It is important to note that in the 2023/2024 season, exports are estimated to decline with the stocks-to-use ratio due to the estimated supply of maize being lower. The graph shows that animal and industry consumption has stayed relatively constant over the five seasons, while human consumption varies from one season to the next.

CONCLUSION

The 2022/2023 season has been a competitive season in terms of production and demand, although the stock-to-use ratio has declined. In the context of maize processed and exported, it had almost the same exports as the previous season. With the 2023/2024 season, it is estimated that the exports and supply will be lower, although the demand will stay the same, resulting in a lower stock-to-use percentage.



JOHAN TEESSEN, **ECONOMIST INTERN, GRAIN SA**

Editorial team

PHAHAMA GRAIN PHAKAMA: PRETORIA

PO Box 74087 Lynnwood Ridge

■ 086 004 7246 www.grainsa.co.za

MANAGING EDITOR

Dr Sandile Ngcamphalala

■ 082 862 1991 ■ Office: 012 943 8296

sandile@grainsa.co.za

EDITOR AND DISTRIBUTION

Liana Stroebel

■ 084 264 1422 ■ Office: 012 943 8285

■ liana@grainsa.co.za

PUBLISHING PARTNER

INFOWORKS MEDIA PUBLISHING Assistant editor - Louise Kunz

louise@infoworks.biz

Team leader – Johan Smit ■ 082 553 7806 ■ Office: 018 468 2716

iohan@infoworks.biz

Publishing – Elizma Myburgh, Jesseme Ross



PGP Farmer Development Programme

REGIONAL DEVELOPMENT MANAGERS

Eastern Free State (Bethlehem)

■ 082 377 9529 ■ jacques.rouxjr11@gmail.com

Johan Kriel

Western Free State (Bloemfontein) ■ 079 497 4294 ■ johank@grainsa.co.za

Jerry Mthombothi

Mpumalanga (Mbombela)

■ 084 604 0549 ■ jerry@grainsa.co.za ■ Office: 012 943 8289 ■ Smangaliso Zimbili

Jurie Mentz

Mpumalanga/KwaZulu-Natal (Louwsburg)

■ 082 354 5749 ■ jurie@grainsa.co.za

Office: 012 943 8218

Graeme Engelbrecht

KwaZulu-Natal (Dundee)

082 650 9315 graeme@grainsa.co.za

■ Office: 012 943 8287 ■ Nkosinathi Mazibuko

Phumzile Ngcobo (Assistant: Dundee)

■ 060 477 7940 ■ phumzile@grainsa.co.za

Office: 012 943 8287 Nkosinathi Mazibuko

MJ Swart

Western Cape (Paarl)

■ 072 090 7997 ■ mj@grainsa.co.za ■ Office: 012 943 8285 ■ Hailey Ehrenreic

Du Toit van der Westhuizen

North West (Lichtenburg)

■ 082 877 6749 ■ dutoit@grainsa.co.za ■ Office: 012 943 8290 ■ Lebo Mogatlanyane

Eastern Cape (Kokstad & Mthatha)

Cwayita Mpotyi (Office assistant: Mthatha)

■ 078 187 2752 ■ umthata@grainsa.co.za

Office: 012 943 8277

PULA IMVULA IS AVAILABLE IN THE FOLLOWING LANGUAGES

English, Tswana, Sesotho, Zulu and Xhosa.

Articles written by independent writers are the views of the writers and not that of PGP.

THIS PUBLICATION IS MADE POSSIBLE BY THE CONTRIBUTION OF THE MAIZE TRUST

