



Plant your DEKALB® success

Let's Talk...



@Bayer4Crops
@DEKALBSA

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www.cropscience.bayer.co.za /// www.bayer.co.za

Your pride
our passion

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The information contained in this brochure is presented in good faith and we do not accept any legal liability in terms thereof. Pest resistance referred to in this brochure is indicative of the hybrid's tolerance, not its resistance. Information regarding hybrid tolerance is based on all the research available as at 30 June 2020. Please note that certain products are subject to plant-breeders' rights.

Contact your nearest
representative for more
information.

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YOUR MAIZE
OUR PASSION



BAYER MAIZE

PRODUCT GUIDE 2021

BACKING YOU WITH TAILOR-MADE
AGRICULTURAL SOLUTIONS





IRRIGATION



WHITE MAIZE



YELLOW MAIZE

Use this guide with
confidence for all
your planning.

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- DEKALB® Packaging
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YOUR SYSTEM OF MAIZE SEED SUPPORT

We offer farmers a wide range of maize hybrids. We use our elite seed genetics and cutting-edge traits and technologies to create products that meet farmers' wants and needs. These products are offered through the **DEKALB**® brand. Whether it's combating insect pests, simplifying weed control, or simply increasing productivity, farmers can rest assured they are getting the most out of every hectare with **DEKALB**®. Getting the most out of every hectare means farmers are feeding more of our growing population.

In today's agricultural landscape, we understand the importance of making the most out of every kernel. That's why each bag of **DEKALB**® maize has been designed to help you create optimum harvests.

Our commercial bags are available in 80 000 kernel count and the producer can also choose from the following bag types: **stack gene**, **YieldGard® Maize 2**, **conventional**, and **Roundup Ready® Maize 2**. The packaging, in addition to ensuring the safety and usability of the kernels, also form part of our **DEKALB** quality promise to you, our farmers.



All seed bags contain the following useful information to better understand and use **DEKALB** maize to seed your success:



/// WHITE MAIZE

- Blue
- Roundup Ready® Maize 2
- YieldGard® Maize 2
- Acceleron®

/// YELLOW MAIZE

- Blue
- Roundup Ready® Maize 2
- YieldGard® Maize 2
- Acceleron®

/// WHITE MAIZE

- Burgundy
- Roundup Ready® Maize 2
- Acceleron®

/// YELLOW MAIZE

- Burgundy
- Roundup Ready® Maize 2
- Acceleron®

/// WHITE MAIZE

- Green
- YieldGard® Maize 2
- Acceleron®

/// YELLOW MAIZE

- Green
- YieldGard® Maize 2
- Acceleron®

/// WHITE MAIZE

- Orange
- Acceleron®

/// YELLOW MAIZE

- Orange
- Acceleron®

What's in the bag?

STACKED TRAITS

YieldGard[®]
MAIZE 2

Roundup
Ready[®]
MAIZE 2

ACCELERON[®]
SEED APPLIED SOLUTIONS



ROUNDUP READY[®] MAIZE 2

Roundup
Ready[®]
MAIZE 2
ACCELERON[®]
SEED APPLIED SOLUTIONS



YIELDGARD[®] MAIZE 2

YieldGard[®]
MAIZE 2
ACCELERON[®]
SEED APPLIED SOLUTIONS



CONVENTIONAL

ACCELERON[®]
SEED APPLIED SOLUTIONS



NEW DEKALB[®] PACKAGING

With the shift towards supplying seed in bulk, **Bayer** is also providing large commercial producers with their **DEKALB** maize seed orders in bulk seed boxes for improved storage and ease of use. When you compare the ease of handling of the boxes to the conventional bags, there is almost no comparison. The seed boxes' high strength and durable construction can carry loads of up to 1,25 ton. Multiple containers also interlock when stacked or nested for safe, secure storage.

Contrary to seed bags, seed boxes cannot easily be carried away. These seed boxes are easily handled and moved by forklift, which significantly reduces the need for manual labour to move bags of seed on the farm. Seed boxes also protect the seeds from dirt, moisture, pests and theft.

Most of the **DEKALB** hybrid range is available in seed boxes and each seed box contain 2.5-3.5 million kernels depending on seed size. The offering also includes a range of **Acceleron**[®] seed treatments and seed sizes. The **DEKALB** maize seed can be dispensed from the seed box into the planter by means of an AgriCad trailer or a hydraulic system. Smaller producers and those still preferring to buy their **DEKALB** seed in bags, will also benefit from brand new packaging solutions. These new and improved seed bags are manufactured from a very strong material which will not easily tear and damage. They are also colour coded for the easy identification of the specific biotechnology traits associated with the various **DEKALB** hybrids.

This is just another example of **Bayer** shaping agriculture to benefit farmers, consumers, and our planet. For further information, contact your nearest **DEKALB** sales representative.

BUILD-UP PROTECTION

WITH BUILT-IN TECHNOLOGY



PROTECTING YOUR CROPS FROM THE INSIDE OUT.

Optimal performance starts from within. With our built-in technology designed to protect your maize, you can rest assured that your crops are taken care of.

YieldGard® MAIZE 2

YieldGard® MAIZE 2 offers:

- Built-in protection against maize stalk borers *Busseola fusca* and *Chilo partellus*, as well as the fall armyworm (*Spodoptera frugiperda*).
- Secures the hybrid's genetic potential.
- Reduce chemical application for insect control.

Roundup Ready® MAIZE 2

Roundup Ready® MAIZE 2 offers:

- Built-in tolerance to registered and approved glyphosate herbicides.
- Effective broad-spectrum weed control for maximised yield potential.
- Crop safe weed control system.
- Secures the hybrid's genetic potential.
- Enables no-till farming and conservation cultivation practices.



EASTERN MAIZE REGION

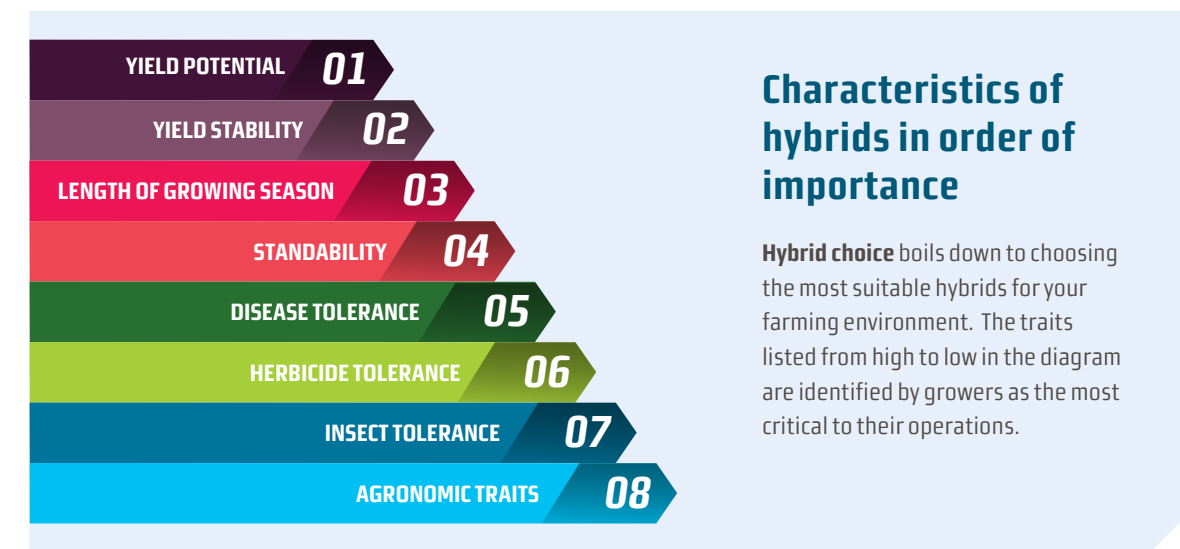


Content

01 Eastern Maize Region

- Yellow dry land East ————— pg 011
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- Yellow end of life hybrids ————— pg 024
- White end of life hybrids ————— pg 027

HYBRID CHOICE AND HYBRID POSITIONING



All of these traits can and should be verified by data and interpreted to fit your own conditions:

- Use new technologies like **Climate FieldView™** to gather on farm data to drive decisions.
- **Evaluation of multiple localities:** Data from a single locality is one-dimensional and does not present a complete view of the yield potential of the hybrid.
- Evaluating hybrids across multiple localities allows producers to form an accurate picture of the hybrid and its stability. The acceptable norm is at least thirty localities.
- **Evaluation of hybrids across different seasons:** In a country like South Africa, it is essential to evaluate hybrids across different years. Seasonal differences are high and substantial variations in temperatures and rainfall can occur annually; the recommended period to take into account is generally at least three years.

Hybrid placement or positioning is about getting the right hybrid on the right field. Tied to this is spreading the risk on the farm to ensure that all possible challenges are evaluated and catered for during the placement of the hybrid on the field.



Below are some of the important considerations when placing hybrids on a field. These aspects will influence hybrid placement and should be taken into account when taking decisions.

SOIL-TYPE DYNAMICS

- For poorly drained soils - hybrids with good stalk strength.
- Sandy dryland – lower population needs higher prolificacy.
- Texture.
- Structure.
- Chemical analysis.

PLANTING POPULATION PUZZLE

- Every hybrid handles planting populations differently.
- Hybrid response = Tillers, husk cover, plant and ear height, prolificacy.

HARVEST TIMING AND MATURITY MIX

- Frost window.
- Later harvest time needs better standability.
- Pollination spread reduces heat stress.

CONTINUOUS MAIZE CONUNDRUM

- “Maize on maize is generally a more stressful environment”.
- Needs hybrid rated for high-stress tolerance and a solid disease package.

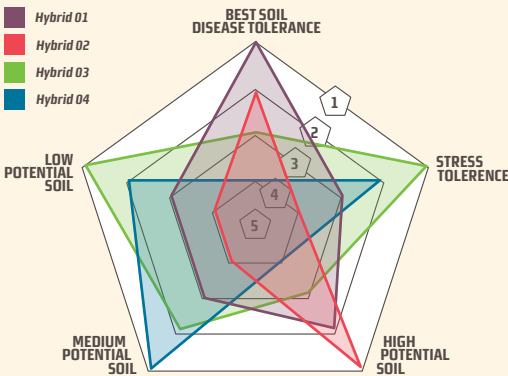
NO-TILL NEEDS. A HYBRID WITH STRONG EARLY SEASON VIGOUR AND EMERGENCE RATINGS IS IDEAL

FIELD HISTORY

- Interpretation of field history and notes around diseases and other issues.
- Choose tolerant genetics.

IMPORTANT FOR INTERPRETATION OF “SPIDER GRAPHS”

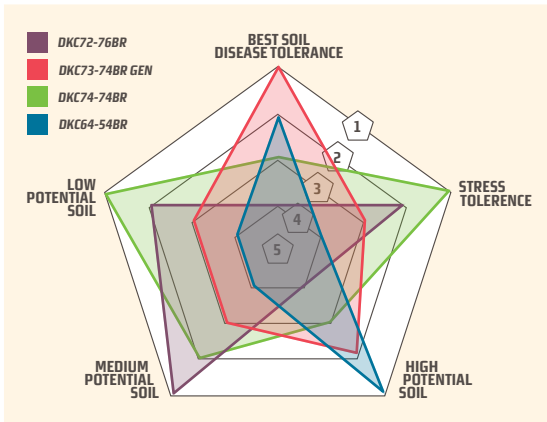
- Hybrids are ranked from 1 to 4.
- 1 is the hybrid with best outcome for the situation.
- 4 is the hybrid with least suitable/advisable outcome for the situation.
- During placement more than 1 factor can be important.
- Interpret different factors together to make sound decisions.
- Combine assumptions to position more than one hybrid.
- Use a process of elimination working through the spider graphs to end up with recommendations.
- **All hybrids are Superior Genetics and the aim of the Graphs is to place them on the farm with specific purpose to address different needs.**



YELLOW DRY LAND

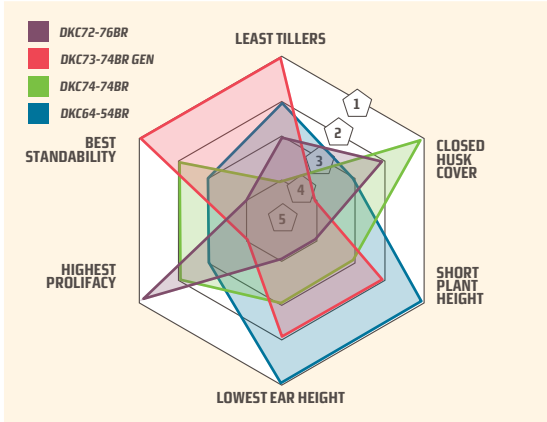
POSITIONING IN THE EAST

Give your farm the benefit of **DEKALB®** technology with our yellow maize hybrids for the eastern production areas, supported by unparalleled innovation, to help you seed success.



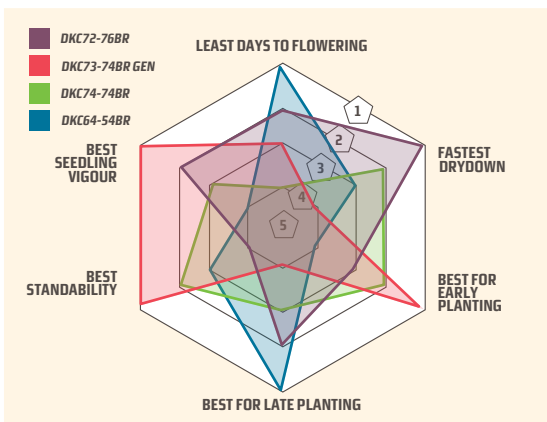
SOIL DYNAMICS:

- In this graph hybrids that are suited to different soil potentials and conditions are displayed.
- Harvest maps and soil potential maps can help to select the best hybrid for each scenario.



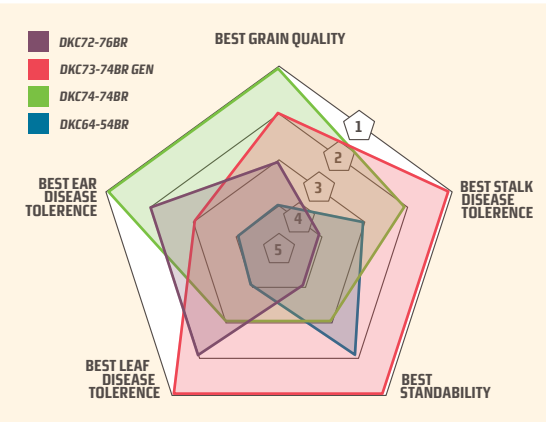
PLANT POPULATION PUZZLE:

- Plant population is very dynamic and there are numerous interactions with hybrids.
- High populations with tall plants can increase the risk of lodging.
- Position hybrids to exploit their strong points when deciding on plant populations.
- Standability can be less of a problem at lower populations.



HARVEST TIME AND MATURITY:

- Planting the right hybrid at the right time is important.
- Try to miss the “frost window” in March/April.
- Spread pollination risk by extending the pollination period through hybrid positioning.
- Look at hybrids with good seedling vigour when planting early in colder soil conditions.



THE CONTINUOUS MAIZE CONUNDRUM (MAIZE ON MAIZE)

- Monoculture leads to the buildup of pathogens over time.
- Disease tolerance is important when choosing hybrids for maize on maize.
- Knowing your prevalent diseases on farm is important for hybrid placement.
- Grain quality issues and lodging can have huge impacts on profitability.

PLANT POPULATION RECOMMENDATIONS

Plant population optimisation is very important to growers in South Africa. Planting the correct plant population per hybrid in a specific environment is important to achieve the highest profit per hectare.

As soil moisture and rainfall (water) are the most limiting factors for yield in South Africa, it is important to do population studies over different yield environments to be able to recommend a planting rate for a specific hybrid.

There are vast differences between prolific and non-prolific hybrids regarding their reaction to plant density.

As curves with prolific seem to stay quite flat, it is important to note that curves also differ over environments. Environments are defined through a combination of rainfall, temperature, soil attributes, elevation and growing season length.

Plant population recommendations are based on multi season data and experiences. Population recommendations should be verified per hybrid by your local **Bayer** team members in your area. Plant population recommendations are not a fixed number and should be interpreted to suit the needs of the specific field.

Region	Cold East			Temperate East		
Hybrid	High Potential	Medium Potential	Low Potential	High Potential	Medium Potential	Low Potential
DKC72-76BR	60 000	50 000	30 000	60 000	50 000	40 000
DKC73-74BR GEN	60 000	45 000	N/R	60 000	50 000	N/R
DKC74-74BR	60 000	45 000	35 000	60 000	45 000	35 000
DKC64-54BR	75 000	60 000	N/R	80 000	65 000	N/R

N/R – Not recommended

DKC68 SERIES

Key strengths:

- New breakthrough genetics
- Dries rapidly
- Low ear placement

Hybrids in the DKC68 series:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional
- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

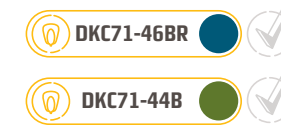
AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	230-300
EAR HEIGHT	105-125
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	118-128 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE

DKC71 SERIES

Key strengths:

- New genetics
- Dries rapidly
- Low ear placement

Hybrids in the DKC71 series:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional
- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	105-130
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	NOT SUITABLE

DKC72 SERIES

Key strengths:

- Very high yield potential
- Dries rapidly
- Good standability

Hybrids in the DKC72 series:



- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

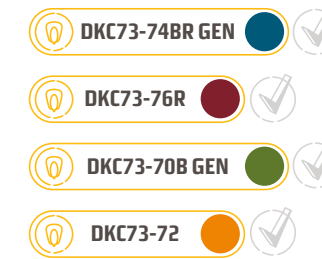
AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	230-300
EAR HEIGHT	105-125
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE

DKC73 SERIES

Key strengths:

- Short plant with good standability
- Very high yield potential
- Good disease tolerance

Hybrids in the DKC73 series:



- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	EXCELLENT
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	YES
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	FAIR
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	190-220
EAR HEIGHT	90-115
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	122-138 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	SUPPLEMENTARY

DKC74 SERIES

Key strengths:

- New genetics
- Good grain quality
- Good standability

Hybrids in the DKC74 series:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional
- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	MANY
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	GOOD
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	VERY GOOD
SPECIFICS	
PLANT HEIGHT	200 – 230
EAR HEIGHT	85 – 105
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70 – 80
ESTIMATED RELATIVE MATURITY	120 -135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO LOW
IRRIGATION	SUPPLEMENTARY



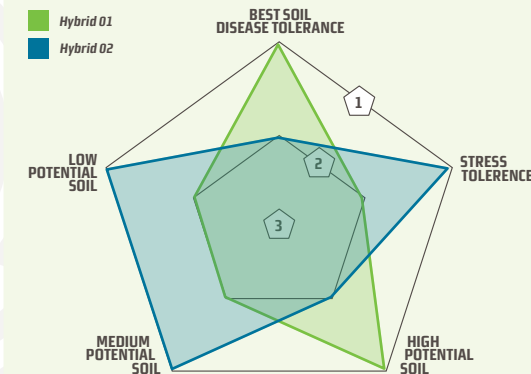
WHITE DRY LAND

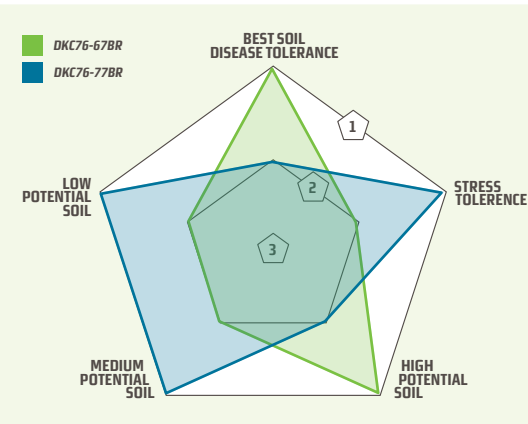
POSITIONING IN THE EAST

With **DEKALB®**'s range of white maize hybrids for the eastern production areas, supported by advanced technology and excellent innovation, we can help you farm smarter.

IMPORTANT FOR INTERPRETATION OF "SPIDER GRAPHS"

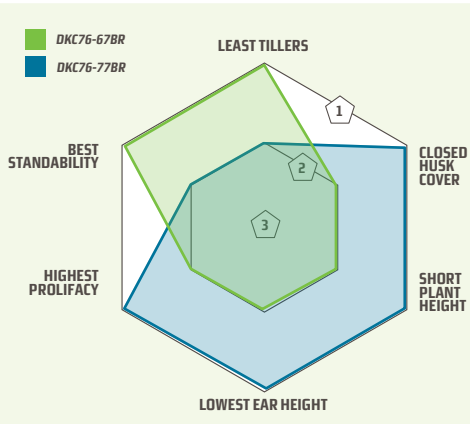
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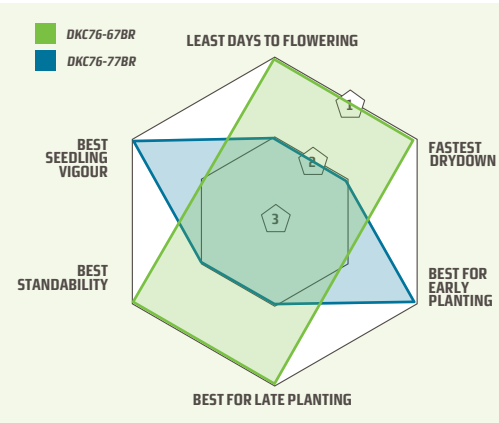
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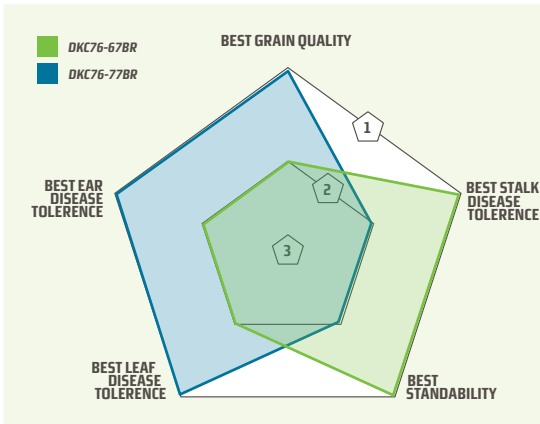
PLANT POPULATION PUZZLE:

- Plant population is very dynamic and there are numerous interactions with hybrids.
- High populations with tall plants can increase the risk of lodging.
- Position hybrids to exploit their strong points when deciding on plant populations.
- Standability can be less of a problem at lower populations.



HARVEST TIME AND MATURITY:

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- Look at hybrids with good seedling vigour when planting early in colder soil conditions.



THE CONTINUOUS MAIZE CONUNDRUM (MAIZE ON MAIZE)

- Monoculture leads to the buildup of pathogens over time.
- Disease tolerance is important when choosing hybrids for maize on maize.
- Knowing your prevalent diseases on farm is important for hybrid placement.
- Grain quality issues and lodging can have huge impacts on profitability.

PLANT POPULATION RECOMMENDATIONS

Plant population optimisation is very important to growers in South Africa. Planting the correct plant population per hybrid in a specific environment is important to achieve the highest profit per hectare.

As soil moisture and rainfall (water) are the most limiting factors for yield in South Africa, it is important to do population studies over different yield environments to be able to recommend a planting rate for a specific hybrid.

There are vast differences between prolific and non-prolific hybrids regarding their reaction to plant density.

As curves with prolific seem to stay quite flat, it is important to note that curves also differ over environments. Environments are defined through a combination of rainfall, temperature, soil attributes, elevation and growing season length.

Plant population recommendations are based on multi season data and experiences. Population recommendations should be verified per hybrid by your local **Bayer** team members in your area. Plant population recommendations are not a fixed number and should be interpreted to suit the needs of the specific field.

Region	Cold East			Temperate East		
Hybrid	High Potential	Medium Potential	Low Potential	High Potential	Medium Potential	Low Potential
DKC76-77BR	45 000	40 000	30 000	60 000	45 000	40 000
DKC76-67BR	60 000	50 000	N/R	60 000	50 000	N/R

N/R – Not recommended

DKC76 SERIES

Key strengths:

- Highly prolific
- High yield potential
- Excellent stability

Hybrids in the DKC76 series:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional
- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

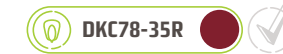
AREA	EAST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	AVERAGE
EMERGENCE	EXCELLENT
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-280
EAR HEIGHT	95-130
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	117-145 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	SUPPLEMENTARY

LEGEND RANGE

Key strengths:

- Highly prolific
- Very high yield potential
- Dries rapidly

Hybrids in the Legend range:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional

- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

	DKC78-45BR GEN	DKC76-67BR	DKC78-35R
AREA	EAST	EAST	EAST
GRAIN COLOUR	WHITE	WHITE	WHITE
CHARACTERISTICS			
YIELD STABILITY	EXCELLENT	EXCELLENT	EXCELLENT
STANDABILITY	VERY GOOD	VERY GOOD	VERY GOOD
TILLERING	AVERAGE	FEW	AVERAGE
EMERGENCE	AVERAGE	EXCELLENT	AVERAGE
GRAIN QUALITY	EXCELLENT	AVERAGE	EXCELLENT
TASSEL EARS	FEW	FEW	FEW
TIP COVERING OF EAR	VERY GOOD	FAIR	VERY GOOD
SUN SCALD	NONE	NONE	NONE
DISEASE TOLERANCE			
COMMON RUST	EXCELLENT	EXCELLENT	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD	AVERAGE	VERY GOOD
MAIZE STREAK VIRUS	GOOD	GOOD	GOOD
GREY LEAF SPOT	VERY GOOD	VERY GOOD	VERY GOOD
EAR ROT	EXCELLENT	AVERAGE	EXCELLENT
DIPLODIA EAR ROT	VERY GOOD	AVERAGE	EXCELLENT
NORTHERN LEAF BLIGHT	EXCELLENT	EXCELLENT	EXCELLENT
FOLIAR DISEASE	EXCELLENT	EXCELLENT	EXCELLENT
SPECIFICS			
PLANT HEIGHT	210-240	240-300	210-240
EAR HEIGHT	95-130	110-140	95-130
EARS PER PLANT EAST	1,5	1,2	1,5
DAYS TO 50% TASSEL	68-78	62-80	68-78
ESTIMATED RELATIVE MATURITY	120-148 DAYS	117-135 DAYS	120-148 DAYS
MANAGEMENT			
PLANT POPULATION	MEDIUM	MEDIUM TO HIGH	MEDIUM
IRRIGATION	SUPPLEMENTARY	SUPPLEMENTARY	SUPPLEMENTARY



YELLOW END OF LIFE HYBRIDS

POSITIONING IN THE EAST

The hybrids in this section, have for many years played an important part in helping you as farmer to seed your success. Their production, however, has now run its course. A limited number of these hybrids are still available for sale:

/// DKC68-58BR
/// DKC68-54B
/// DKC68-56R
/// DKC71-42

- BR – Stacked Traits

● R – Roundup Ready® Maize 2

● B – YieldGard® Maize 2

● Conventional
- Maize variety:**

● Yellow maize

● White maize

● Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

DKC68 SERIES

Key strengths:

- Breakthrough genetics
- Dries rapidly
- Low ear placement

Hybrids in the End of life range:



- BR – Stacked Traits

● R – Roundup Ready® Maize 2

● B – YieldGard® Maize 2

● Conventional

- Maize variety:**
- Yellow maize
- White maize
- Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GRAY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	230-300
EAR HEIGHT	105-125
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	118-128 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE

DKC71-42

Key strengths:

- New genetics
- Dries rapidly
- Low ear placement

Hybrid in the End of life range:



- BR – Stacked Traits
- R – Roundup Ready® Maize 2
- B – YieldGard® Maize 2
- Conventional

- Maize variety:
- Yellow maize
 - White maize
 - Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GRAY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	105-130
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	NOT SUITABLE



WHITE END OF LIFE HYBRIDS

POSITIONING IN THE EAST

The hybrids in this section, have for many years played an important part in helping you as farmer to seed your success. Their production, however, has now run its course. A limited number of these hybrids are still available for sale:

- BR – Stacked Traits
 - R – Roundup Ready® Maize 2
 - B – YieldGard® Maize 2
 - Conventional
- Maize variety:
- Yellow maize
 - White maize
 - Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

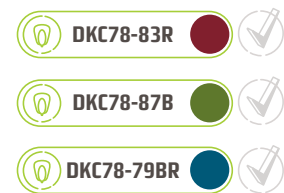
- DKC78-79BR
- DKC78-87B
- DKC78-83R
- DKC76-61B

DKC78 series

Key strengths:

- Strong seedling with good vigour
- Strongly prolific
- Good standability

Hybrids in the End of life range:



- BR – Stacked Traits
- R – Roundup Ready® Maize 2
- B – YieldGard® Maize 2
- Conventional

Maize variety:

- Yellow maize
- White maize
- Irrigation maize



	DKC78-83R	DKC78-87B DKC78-79BR
AREA	EAST	EAST
GRAIN COLOUR	WHITE	WHITE
CHARACTERISTICS		
YIELD STABILITY	EXCELLENT	EXCELLENT
STANDABILITY	GOOD	GOOD
TILLERING	AVERAGE	AVERAGE
EMERGENCE	EXCELLENT	EXCELLENT
GRAIN QUALITY	AVERAGE	AVERAGE
TASSEL EARS	FEW	FEW
TIP COVERING OF EAR	VERY GOOD	VERY GOOD
SUN SCALD	NONE	NONE
DISEASE TOLERANCE		
COMMON RUST	EXCELLENT	EXCELLENT
FUSARIUM STALK ROT	FAIR	FAIR
MAIZE STREAK VIRUS	GOOD	GOOD
GREY LEAF SPOT	VERY GOOD	VERY GOOD
EAR ROT	GOOD	GOOD
DIPLODIA EAR ROT	GOOD	GOOD
NORTHERN LEAF BLIGHT	EXCELLENT	EXCELLENT
FOLIAR DISEASE	EXCELLENT	EXCELLENT
SPECIFICS		
PLANT HEIGHT	205-230	205-230
EAR HEIGHT	90-120	90-120
EARS PER PLANT EAST	1,3	1,3
DAYS TO 50% TASSEL	68-78	68-78
ESTIMATED RELATIVE MATURITY	125-135 DAYS	125-135 DAYS
MANAGEMENT		
PLANT POPULATION	MEDIUM	MEDIUM
IRRIGATION	NOT SUITABLE	NOT SUITABLE

DKC76-61B

Key strengths:

- Highly prolific
- High yield potential
- Excellent stability

Hybrid in the End of life range:



- BR – Stacked Traits
- R – Roundup Ready® Maize 2
- B – YieldGard® Maize 2
- Conventional

Maize variety:

- Yellow maize
- White maize
- Irrigation maize



AREA	EAST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	EXCELLENT
GRAIN QUALITY	AVERAGE
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	AVERAGE
MAIZE STREAK VIRUS	GOOD
GRAY LEAF SPOT	VERY GOOD
EAR ROT	AVERAGE
DIPLODIA EAR ROT	AVERAGE
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	240-300
EAR HEIGHT	110-140
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	62-80
ESTIMATED RELATIVE MATURITY	117-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM - HIGH
IRRIGATION	SUPPLEMENTARY

DKC78-17B

Key strengths:

- Highly prolific
- Very high yield potential
- Dries rapidly

Hybrid in the End of life range:



BR – Stacked Traits

R – Roundup Ready® Maize 2

B – YieldGard® Maize 2

Conventional

Maize variety:

Yellow maize

White maize

Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	GOOD
TILLERING	AVERAGE
EMERGENCE	AVERAGE
GRAIN QUALITY	EXCELLENT
TASSEL EARS	AVERAGE
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GRAY LEAF SPOT	VERY GOOD
EAR ROT	EXCELLENT
DIPLODIA EAR ROT	EXCELLENT
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	95-130
EARS PER PLANT EAST	1,4
DAYS TO 50% TASSEL	68-78
ESTIMATED RELATIVE MATURITY	120-148 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	SUPPLEMENTARY



WESTERN MAIZE REGION

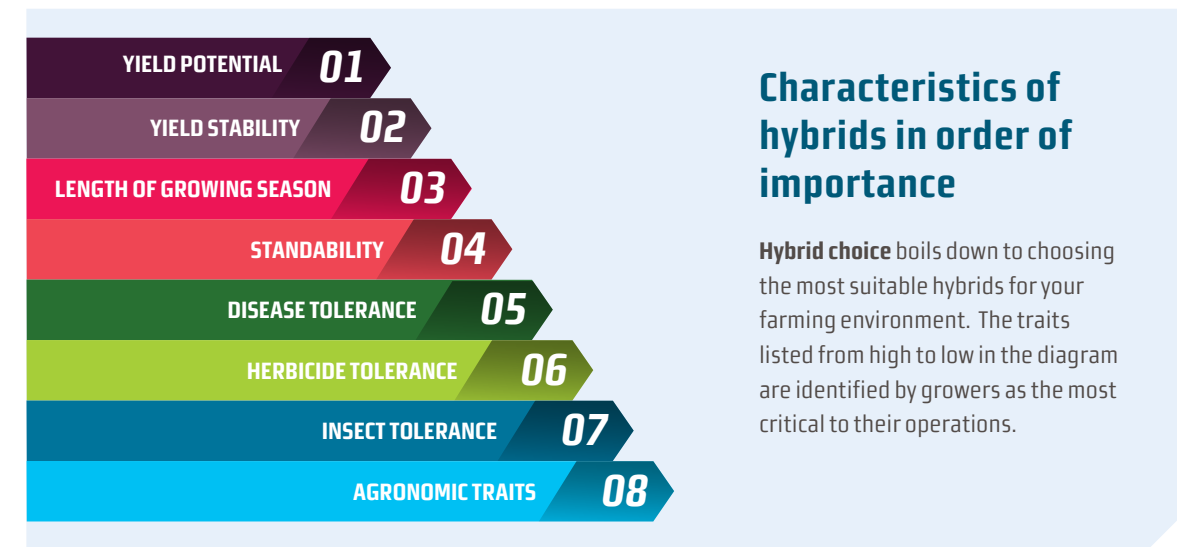


Content

02 Western Maize Region

- Yellow dry land West ————— pg 035
- White dry land West ————— pg 043
- Yellow end of life hybrids ————— pg 049
- White end of life hybrids ————— pg 052

HYBRID CHOICE AND HYBRID POSITIONING



All of these traits can and should be verified by data and interpreted to fit your own conditions:

- Use new technologies like **Climate FieldView™** to gather on farm data to drive decisions.
- Evaluation of multiple localities: Data from a single locality is one-dimensional and does not present a complete view of the yield potential of the hybrid.
- Evaluating hybrids across multiple localities allows producers to form an accurate picture of the hybrid and its stability. The acceptable norm is at least thirty localities.
- **Evaluation of hybrids across different seasons:** In a country like South Africa, it is essential to evaluate hybrids across different years. Seasonal differences are high and substantial variations in temperatures and rainfall can occur annually; the recommended period to take into account is generally at least three years.

Hybrid placement or positioning is about getting the right hybrid on the right field. Tied to this is spreading the risk on the farm to ensure that all possible challenges are evaluated and catered for during the placement of the hybrid on the field.



Below are some of the important considerations when placing hybrids on a field. These aspects will influence hybrid placement and should be taken into account when taking decisions.

SOIL-TYPE DYNAMICS

- For poorly drained soils - hybrids with good stalk strength.
- Sandy dryland – lower population needs higher prolificacy.
- Texture.
- Structure.
- Chemical analysis.

PLANTING POPULATION PUZZLE

- Every hybrid handles planting populations differently.
- Hybrid response = Tillers, husk cover, plant and ear height, prolificacy.

HARVEST TIMING AND MATURITY MIX

- Frost window.
- Later harvest time needs better standability.
- Pollination spread reduces heat stress.

CONTINUOUS MAIZE CONUNDRUM

- “Maize on maize is generally a more stressful environment”.
- Needs hybrid rated for high-stress tolerance and a solid disease package.

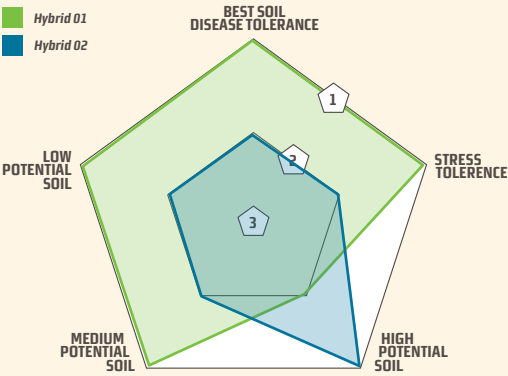
NO-TILL NEEDS. A HYBRID WITH STRONG EARLY SEASON VIGOUR AND EMERGENCE RATINGS IS IDEAL

FIELD HISTORY

- Interpretation of field history and notes around diseases and other issues.
- Choose tolerant genetics.

IMPORTANT FOR INTERPRETATION OF “SPIDER GRAPHS”

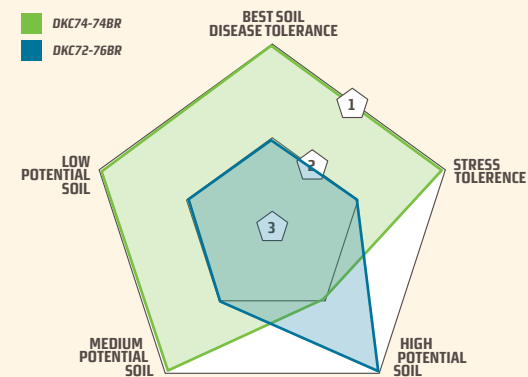
- Hybrids are ranked from 1 to 2.
- 1 is the hybrid with best outcome for the situation.
- 2 is the hybrid with least suitable/advisable outcome for the situation.
- During placement more than 1 factor can be important.
- Interpret different factors together to make sound decisions.
- Combine assumptions to position more than one hybrid.
- Use a process of elimination working through the spider graphs to end up with recommendations.
- **All hybrids are Superior Genetics and the aim of the Graphs is to place them on the farm with specific purpose to address different needs.**



YELLOW DRY LAND

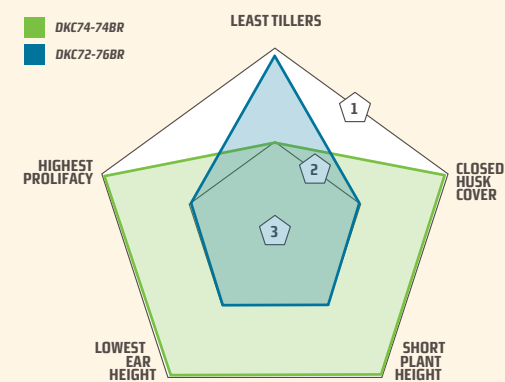
POSITIONING IN THE WEST

Give your farm the benefit of **DEKALB®** technology with our yellow maize hybrids for the Western production areas, supported by unparalleled innovation, to help you seed success.



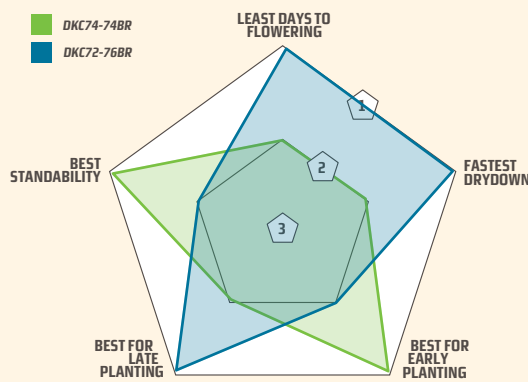
SOIL DYNAMICS:

- In this graph hybrids that are suited to different soil potentials and conditions are displayed.
- Harvest maps and soil potential maps can help to select the best hybrid for each scenario.



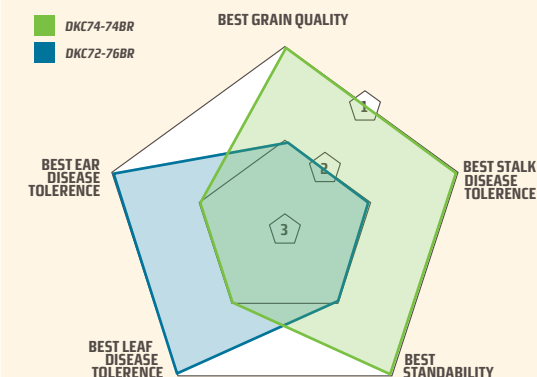
PLANT POPULATION PUZZLE:

- Plant population is very dynamic and there are numerous interactions with hybrids.
- High populations with tall plants can increase the risk of lodging.
- Position hybrids to exploit their strong points when deciding on plant populations.
- Standability can be less of a problem at lower populations.



HARVEST TIME AND MATURITY:

- Planting the right hybrid at the right time is important.
- Try to miss the “frost window” in March/April.
- Spread pollination risk by extending the pollination period through hybrid positioning.
- Look at hybrids with good seedling vigour when planting early in colder soil conditions.



**THE CONTINUOUS MAIZE CONUNDRUM
(MAIZE ON MAIZE)**

- Monoculture leads to the buildup of pathogens over time.
- Disease tolerance is important when choosing hybrids for maize on maize.
- Knowing your prevalent diseases on farm is important for hybrid placement.
- Grain quality issues and lodging can have huge impacts on profitability.

PLANT POPULATION RECOMMENDATIONS

Plant population optimisation is very important to growers in South Africa. Planting the correct plant population per hybrid in a specific environment is important to achieve the highest profit per hectare.

As soil moisture and rainfall (water) are the most limiting factors for yield in South Africa, it is important to do population studies over different yield environments to be able to recommend a planting rate for a specific hybrid.

There are vast differences between prolific and non-prolific hybrids regarding their reaction to plant density.

As curves with prolific seem to stay quite flat, it is important to note that curves also differ over environments. Environments are defined through a combination of rainfall, temperature, soil attributes, elevation and growing season length.

Plant population recommendations are based on multi season data and experiences. Population recommendations should be verified per hybrid by your local **Bayer** team members in your area. Plant population recommendations are not a fixed number and should be interpreted to suit the needs of the specific field.

Region	Dry land West		
Potential	High & Water Table	Medium Potential	Low Potential
DKC72-76BR	40 000	30 000	20 000
DKC74-74BR	40 000	30 000	20 000

DKC68 SERIES

Key strengths:

- New breakthrough genetics
- Dries rapidly
- Low ear placement

Hybrids in the DKC68 series:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional
- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

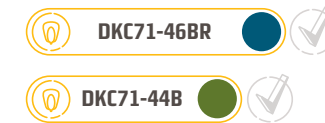
AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	230-300
EAR HEIGHT	105-125
EARS PER PLANT WEST	1,6
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	118-128 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE

DKC71 SERIES

Key strengths:

- New genetics
- Dries rapidly
- Low ear placement

Hybrids in the DKC71 series:



- BR – Stacked Traits
● R – Roundup Ready® Maize 2
● B – YieldGard® Maize 2
● Conventional
- Maize variety:**
○ Yellow maize
○ White maize
○ Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	105-130
EARS PER PLANT WEST	1,5
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	NOT SUITABLE

DKC72 SERIES

Key strengths:

- Very high yield potential
- Dries rapidly
- Good standability

Hybrids in the DKC72 series:



- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

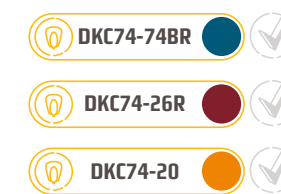
AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	230-300
EAR HEIGHT	105-125
EARS PER PLANT WEST	1,7
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE

DKC74 SERIES

Key strengths:

- New genetics
- Good grain quality
- Good standability

Hybrids in the DKC74 series:



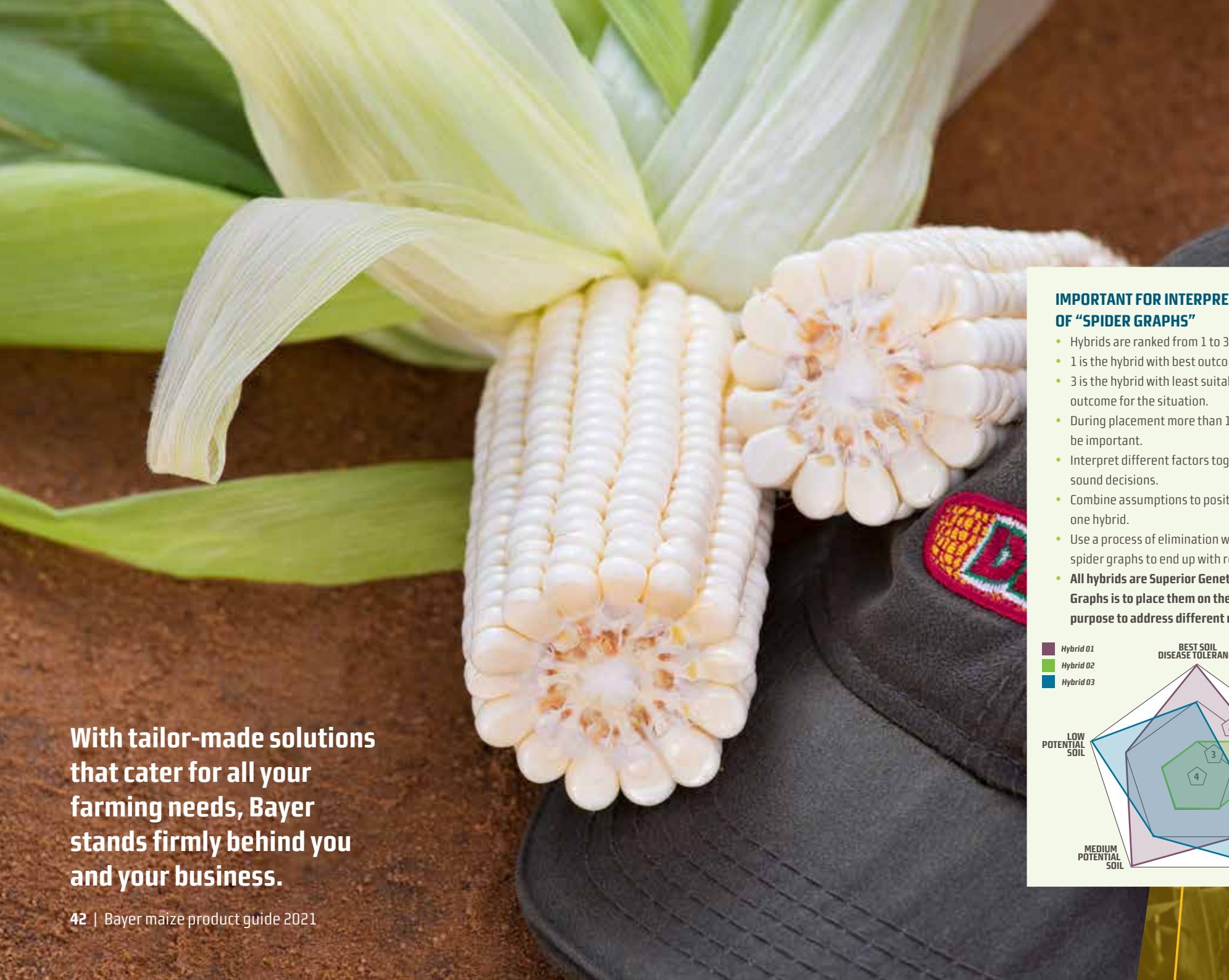
- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	MANY
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	GOOD
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	VERY GOOD
SPECIFICS	
PLANT HEIGHT	200 - 230
EAR HEIGHT	85 - 105
EARS PER PLANT WEST	1,6
DAYS TO 50% TASSEL	70 - 80
ESTIMATED RELATIVE MATURITY	120 - 135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO LOW
IRRIGATION	SUPPLEMENTARY



With tailor-made solutions that cater for all your farming needs, Bayer stands firmly behind you and your business.

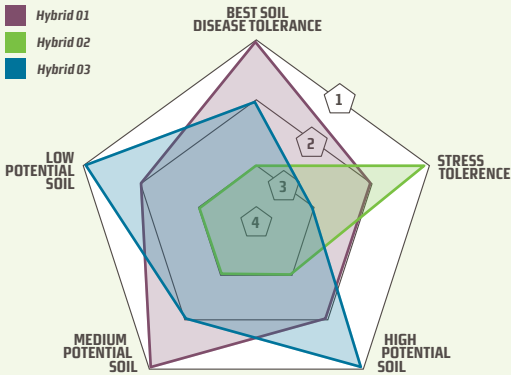


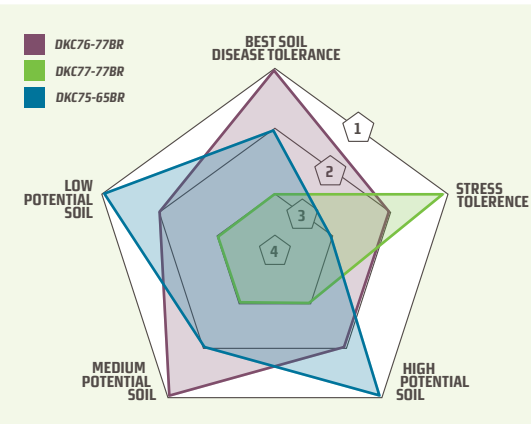
WHITE DRY LAND

POSITIONING IN THE WEST

IMPORTANT FOR INTERPRETATION OF “SPIDER GRAPHS”

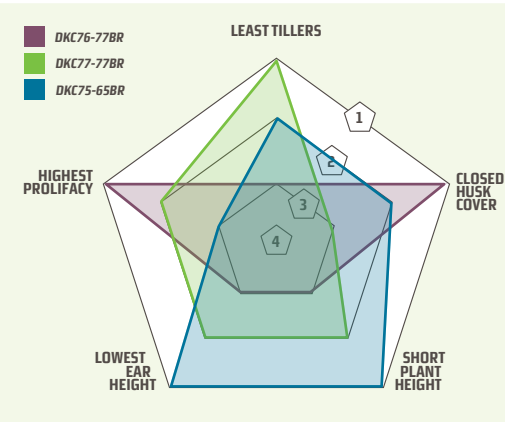
- Hybrids are ranked from 1 to 3.
- 1 is the hybrid with best outcome for the situation.
- 3 is the hybrid with least suitable/advisable outcome for the situation.
- During placement more than 1 factor can be important.
- Interpret different factors together to make sound decisions.
- Combine assumptions to position more than one hybrid.
- Use a process of elimination working through the spider graphs to end up with recommendations.
- All hybrids are Superior Genetics and the aim of the Graphs is to place them on the farm with specific purpose to address different needs.





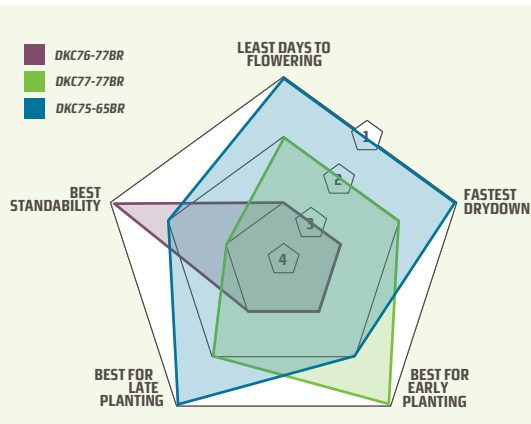
SOIL DYNAMICS:

- In this graph hybrids that are suited to different soil potentials and conditions are displayed.
- Harvest maps and soil potential maps can help to select the best hybrid for each scenario.



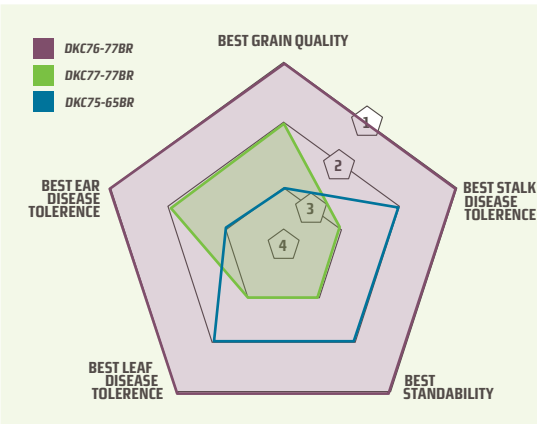
PLANT POPULATION PUZZLE:

- Plant population is very dynamic and there are numerous interactions with hybrids.
- High populations with tall plants can increase the risk of lodging.
- Position hybrids to exploit their strong points when deciding on plant populations.
- Standability can be less of a problem at lower populations.



HARVEST TIME AND MATURITY:

- Planting the right hybrid at the right time is important.
- Try to miss the “frost window” in March/April.
- Spread pollination risk by extending the pollination period through hybrid positioning.
- Look at hybrids with good seedling vigour when planting early in colder soil conditions.



THE CONTINUOUS MAIZE CONUNDRUM (MAIZE ON MAIZE)

- Monoculture leads to the buildup of pathogens over time.
- Disease tolerance is important when choosing hybrids for maize on maize.
- Knowing your prevalent diseases on farm is important for hybrid placement.
- Grain quality issues and lodging can have huge impacts on profitability.

PLANT POPULATION RECOMMENDATIONS

Plant population optimisation is very important to growers in South Africa. Planting the correct plant population per hybrid in a specific environment is important to achieve the highest profit per hectare.

As soil moisture and rainfall (water) are the most limiting factors for yield in South Africa, it is important to do population studies over different yield environments to be able to recommend a planting rate for a specific hybrid.

As curves with prolific seem to stay quite flat, it is important to note that curves also differ over environments. Environments are defined through a combination of rainfall, temperature, soil attributes, elevation and growing season length.

Plant population recommendations are based on multi season data and experiences. Population recommendations should be verified per hybrid by your local **Bayer** team members in your area. Plant population recommendations are not a fixed number and should be interpreted to suit the needs of the specific field.

There are vast differences between prolific and non-prolific hybrids regarding their reaction to plant density.

Region	Dry land West		
Potential	High & Water Table	Medium Potential	Low Potential
DKC76-77BR	35 000	28 000	20 000
DKC77-77BR	35 000	28 000	20 000
DKC75-65BR	37 000	30 000	22 000

DKC75 SERIES

Key strengths:

- Highly prolific
- Strong seedling with good vigour
- High yield potential

Hybrid in the DKC75 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	AVERAGE
EMERGENCE	EXCELLENT
GRAIN QUALITY	AVERAGE
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	FAIR
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	200-230
EAR HEIGHT	105-130
EARS PER PLANT WEST	1,6
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	125-140 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE
SUITABLE AS REFUSE	NOT SUITABLE

DKC76 SERIES

Key strengths:

- Highly prolific
- High yield potential
- Excellent stability

Hybrids in the DKC76 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.


AREA	WEST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	AVERAGE
EMERGENCE	EXCELLENT
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-280
EAR HEIGHT	95-130
EARS PER PLANT WEST	1.9
DAYS TO 50% TASSEL	70 - 80
ESTIMATED RELATIVE MATURITY	117-145 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	SUPPLEMENTARY

DKC77 SERIES


Key strengths:


- Highly prolific
- Strong seedling with good vigour
- High yield potential


Hybrids in the DKC77 series:


DKC77-77BR

DKC77-85B GEN


 BR – Stacked Traits


 R – Roundup Ready® Maize 2


 B – YieldGard® Maize 2

 Conventional

Maize variety:

 Yellow maize

 White maize

 Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	GOOD
TILLERING	AVERAGE
EMERGENCE	EXCELLENT
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	FAIR
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	200-230
EAR HEIGHT	90-110
EARS PER PLANT WEST	2
DAYS TO 50% TASSEL	68-78
ESTIMATED RELATIVE MATURITY	117-145 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE



YELLOW END OF LIFE HYBRIDS

POSITIONING IN THE WEST

The hybrids in this section, have for many years played an important part in helping you as farmer to seed your success. Their production, however, has now run its course. A limited number of these hybrids are still available for sale:

 BR – Stacked Traits

 R – Roundup Ready® Maize 2

 B – YieldGard® Maize 2

 Conventional

Maize variety:

 Yellow maize

 White maize

 Irrigation maize




DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

- /// DKC68-58BR
- /// DKC68-54B
- /// DKC68-56R
- /// DKC71-42


DKC68 series

- Key strengths:**
- Breakthrough genetics
 - Dries rapidly
 - Low ear placement


Hybrids in the
End of life range:



DKC68-58BR



DKC68-54B



DKC68-56R



- BR – Stacked Traits
- R – Roundup Ready® Maize 2
- B – YieldGard® Maize 2
- Conventional

- Maize variety:
- Yellow maize
 - White maize
 - Irrigation maize

AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GRAY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	230-300
EAR HEIGHT	105-125
EARS PER PLANT WEST	1,6
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	118-128 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	NOT SUITABLE

DKC71-42

- Key strengths:**
- New genetics
 - Dries rapidly
 - Low ear placement

Hybrid in the
End of life range:



DKC71-42



- BR – Stacked Traits
- R – Roundup Ready® Maize 2
- B – YieldGard® Maize 2
- Conventional

- Maize variety:
- Yellow maize
 - White maize
 - Irrigation maize

AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GRAY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	105-130
EARS PER PLANT WEST	1,5
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	NOT SUITABLE



WHITE END OF LIFE HYBRIDS

POSITIONING IN THE WEST

The hybrids in this section, have for many years played an important part in helping you as farmer to seed your success. Their production, however, has now run its course. A limited number of these hybrids are still available for sale:

/// DKC78-79BR
/// DKC78-87B
/// DKC78-83R
/// DKC78-17B

- BR – Stacked Traits

● R – Roundup Ready® Maize 2

● B – YieldGard® Maize 2

● Conventional
- Maize variety:**

○ Yellow maize

○ White maize

○ Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

DKC78 series

Key strengths:

- Strong seedling with good vigour
- Strongly prolific
- Good standability

Hybrids in the End of life range:

- DKC78-83R

○ DKC78-87B

○ DKC78-79BR



- BR – Stacked Traits

● R – Roundup Ready® Maize 2

● B – YieldGard® Maize 2

● Conventional

- Maize variety:**
- Yellow maize
- White maize
- Irrigation maize

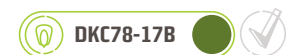
	DKC78-83R	DKC78-87B DKC78-79BR
AREA	WEST	WEST
GRAIN COLOUR	WHITE	WHITE
CHARACTERISTICS		
YIELD STABILITY	EXCELLENT	EXCELLENT
STANDABILITY	GOOD	GOOD
TILLERING	AVERAGE	AVERAGE
EMERGENCE	EXCELLENT	EXCELLENT
GRAIN QUALITY	AVERAGE	AVERAGE
TASSEL EARS	FEW	FEW
TIP COVERING OF EAR	VERY GOOD	VERY GOOD
SUN SCALD	NONE	NONE
DISEASE TOLERANCE		
COMMON RUST	EXCELLENT	EXCELLENT
FUSARIUM STALK ROT	FAIR	FAIR
MAIZE STREAK VIRUS	GOOD	GOOD
GREY LEAF SPOT	VERY GOOD	VERY GOOD
EAR ROT	GOOD	GOOD
DILPODIA EAR ROT	GOOD	GOOD
NORTHERN LEAF BLIGHT	EXCELLENT	EXCELLENT
FOLIAR DISEASE	EXCELLENT	EXCELLENT
SPECIFICS		
PLANT HEIGHT	205-230	205-230
EAR HEIGHT	90-120	90-120
EARS PER PLANT WEST	1,9	2
DAYS TO 50% TASSEL	68-78	68-78
ESTIMATED RELATIVE MATURITY	125-135 DAYS	125-135 DAYS
MANAGEMENT		
PLANT POPULATION	MEDIUM	MEDIUM
IRRIGATION	NOT SUITABLE	NOT SUITABLE

DKC78-17B

Key strengths:

- Highly prolific
- Very high yield potential
- Dries rapidly

Hybrid in the End of life range:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	GOOD
TILLERING	AVERAGE
EMERGENCE	AVERAGE
GRAIN QUALITY	EXCELLENT
TASSEL EARS	AVERAGE
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	VERY GOOD
EAR ROT	EXCELLENT
DILPODIA EAR ROT	EXCELLENT
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	95-130
EARS PER PLANT WEST	2
DAYS TO 50% TASSEL	68-78
ESTIMATED RELATIVE MATURITY	120-148 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	SUPPLEMENTARY



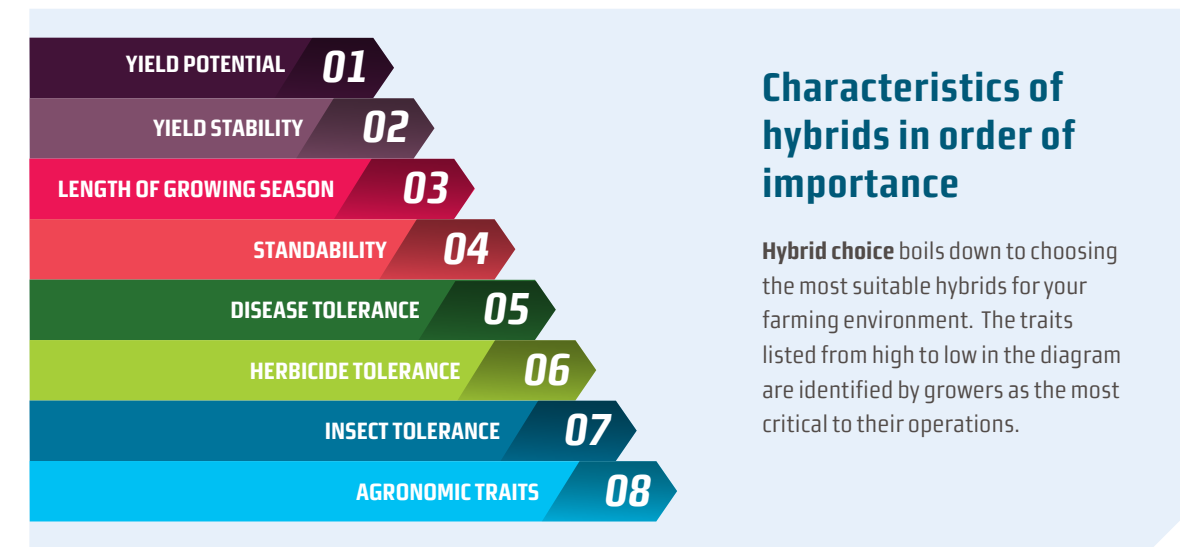
IRRIGATION MAIZE REGION



Content

03	Irrigation Maize Region	
	– Yellow Irrigation	pg 059

HYBRID CHOICE AND HYBRID POSITIONING



All of these traits can and should be verified by data and interpreted to fit your own conditions:

- Use new technologies like **Climate FieldView™** to gather on farm data to drive decisions.
- Evaluation of multiple localities: Data from a single locality is one-dimensional and does not present a complete view of the yield potential of the hybrid.
- Evaluating hybrids across multiple localities allows producers to form an accurate picture of the hybrid and its stability. The acceptable norm is at least thirty localities.
- **Evaluation of hybrids across different seasons:** In a country like South Africa, it is essential to evaluate hybrids across different years. Seasonal differences are high and substantial variations in temperatures and rainfall can occur annually; the recommended period to take into account is generally at least three years.

Hybrid placement or positioning is about getting the right hybrid on the right field. Tied to this is spreading the risk on the farm to ensure that all possible challenges are evaluated and catered for during the placement of the hybrid on the field.



Below are some of the important considerations when placing hybrids on a field. These aspects will influence hybrid placement and should be taken into account when taking decisions.

SOIL-TYPE DYNAMICS

- For poorly drained soils - hybrids with good stalk strength.
- Sandy dryland – lower population needs higher prolificacy.
- Texture.
- Structure.
- Chemical analysis.

PLANTING POPULATION PUZZLE

- Every hybrid handles planting populations differently.
- Hybrid response = Tillers, husk cover, plant and ear height, prolificacy.

HARVEST TIMING AND MATURITY MIX

- Frost window.
- Later harvest time needs better standability.
- Pollination spread reduces heat stress.

CONTINUOUS MAIZE CONUNDRUM

- “Maize on maize is generally a more stressful environment”.
- Needs hybrid rated for high-stress tolerance and a solid disease package.

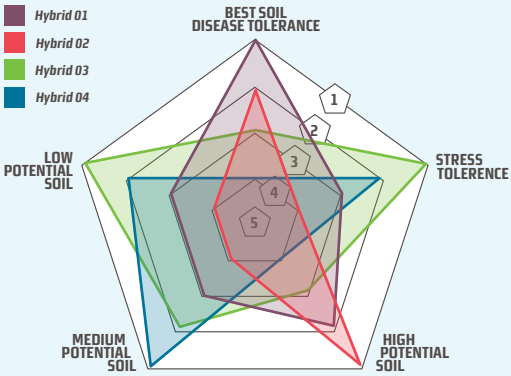
NO-TILL NEEDS. A HYBRID WITH STRONG EARLY SEASON VIGOUR AND EMERGENCE RATINGS IS IDEAL

FIELD HISTORY

- Interpretation of field history and notes around diseases and other issues.
- Choose tolerant genetics.

IMPORTANT FOR INTERPRETATION OF “SPIDER GRAPHS”

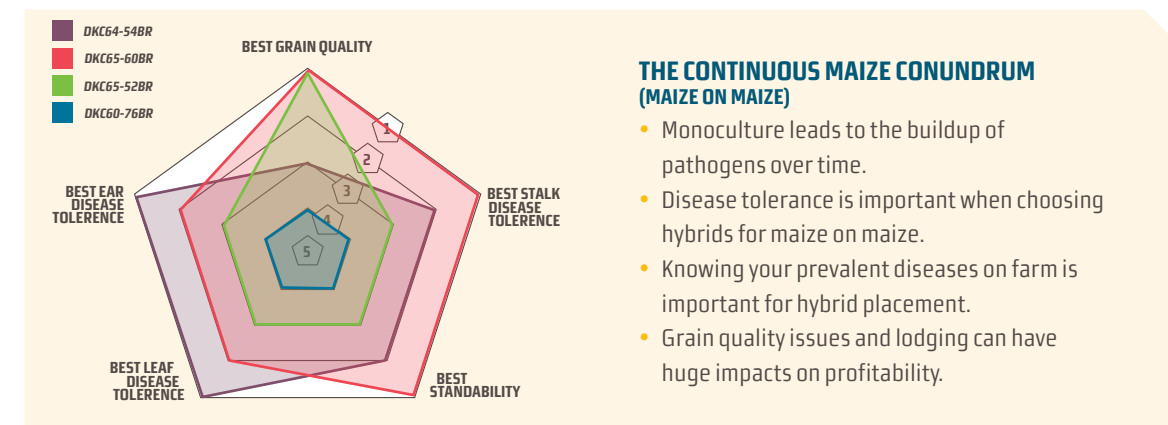
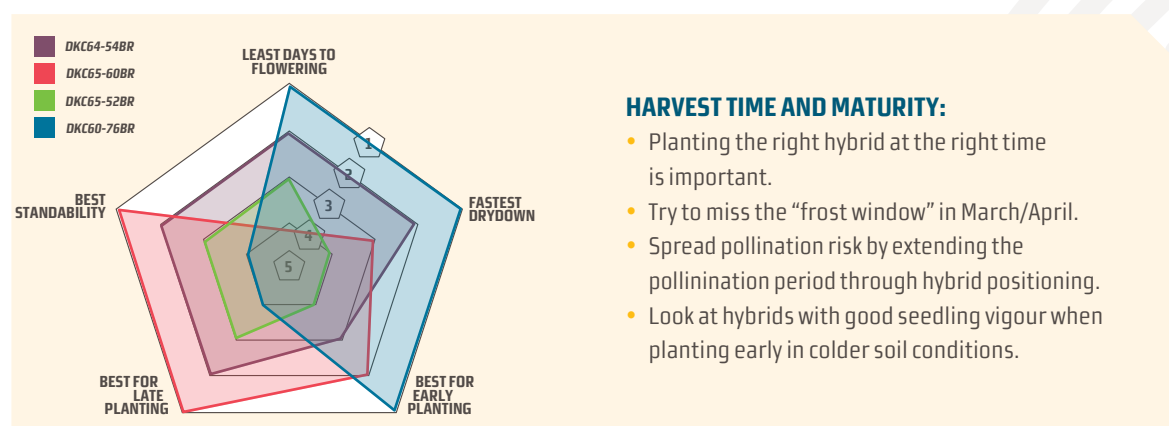
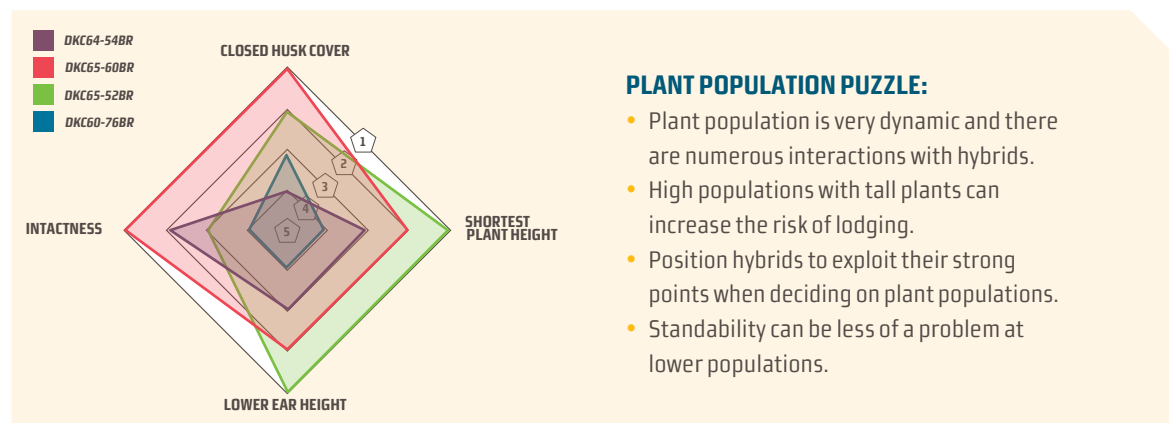
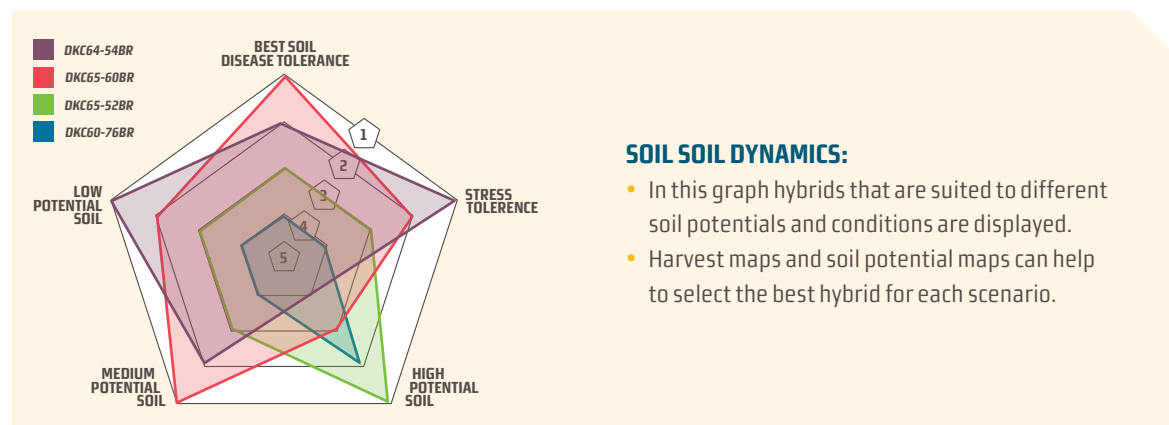
- Hybrids are ranked from 1 to 4.
- 1 is the hybrid with best outcome for the situation.
- 4 is the hybrid with least suitable/advisable outcome for the situation.
- During placement more than 1 factor can be important.
- Interpret different factors together to make sound decisions.
- Combine assumptions to position more than one hybrid.
- Use a process of elimination working through the spider graphs to end up with recommendations.
- **All hybrids are Superior Genetics and the aim of the Graphs is to place them on the farm with specific purpose to address different needs.**



YELLOW IRRIGATION

POSITIONING IN SOUTH AFRICA

Our yellow maize hybrids suitable for production under irrigation offer a combination of the latest germplasm with the newest biotechnology traits to ensure exceptional crop performance and improved yield potential.



PLANT POPULATION RECOMMENDATIONS

Plant population optimisation is very important to growers in South Africa. Planting the correct plant population per hybrid in a specific environment is important to achieve the highest profit per hectare.

As soil moisture and rainfall (water) are the most limiting factors for yield in South Africa, it is important to do population studies over different yield environments to be able to recommend a planting rate for a specific hybrid.

There are vast differences between prolific and non-prolific hybrids regarding their reaction to plant density.

As curves with prolific seem to stay quite flat, it is important to note that curves also differ over environments. Environments are defined through a combination of rainfall, temperature, soil attributes, elevation and growing season length.

Plant population recommendations are based on multi season data and experiences. Population recommendations should be verified per hybrid by your local **Bayer** team members in your area. Plant population recommendations are not a fixed number and should be interpreted to suit the needs of the specific field.

Region	Vaalharts		Jacobsdal, Modderivier		Hope-town	Orania, Luchhoff	Douglas Vaal	Douglas Oranje	Prieska	Upington
Potential	High	Medium	High	Low	High	High	High	High	High	High
DKC64-54BR			115 000	95 000		115 000				
DKC65-60BR				95 000	95 000	95 000	95 000	95 000	95 000	95 000
DKC65-52BR	105 000		105 000		105 000	105 000		105 000	105 000	105 000
DKC60-76BR		95 000	95 000	95 000	95 000	105 000	95 000	95 000	95 000	

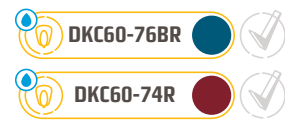
* *Greensnap* is the breakage of maize stalks at a node caused by high winds. *Greensnap* can occur during growth stages when internodes are rapidly elongating and are susceptible to breakage. *Greensnap* can occur at growth stages V5 to V8 and V10 to R2. Most ultra-short maturity hybrids can have some degree of *greensnap* and it is more rare on dry land hybrids.

DKC60 SERIES

Key strengths:

- New breakthrough genetics
- Very high yield potential
- Low ear placement

Hybrids in the DKC60 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:**
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	ALL AREAS
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	AVERAGE
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	VERY GOOD
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	AVERAGE
NORTHERN LEAF BLIGHT	GOOD
FOLIAR DISEASE	GOOD
SPECIFICS	
PLANT HEIGHT	250-280
EAR HEIGHT	110-130
EARS PER PLANT WEST	1
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	55 - 63
ESTIMATED RELATIVE MATURITY	104 -115 DAYS
MANAGEMENT	
PLANT POPULATION	HIGH
IRRIGATION	SUITABLE

DKC64 SERIES

Key strengths:

- New genetics
- High yield potential
- Low ear placement

Hybrids in the DKC64 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:**
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	ALL AREAS
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	GOOD
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	AVERAGE
NORTHERN LEAF BLIGHT	GOOD
FOLIAR DISEASE	VERY GOOD
SPECIFICS	
PLANT HEIGHT	255-280
EAR HEIGHT	100-120
EARS PER PLANT WEST	1
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	55 - 63
ESTIMATED RELATIVE MATURITY	104 -115 DAYS
MANAGEMENT	
PLANT POPULATION	HIGH
IRRIGATION	SUITABLE

DKC65 SERIES

Key strengths:

- High yield potential
- New genetics
- DKC65-60BR and DKC65-72 performs exceptionally in the Orange River area

Hybrids in the DKC65 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	ALL AREAS
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	GOOD
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	GOOD
NORTHERN LEAF BLIGHT	GOOD
FOLIAR DISEASE	GOOD
SPECIFICS	
PLANT HEIGHT	245-270
EAR HEIGHT	100-120
EARS PER PLANT WEST	1
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	55 - 63
ESTIMATED RELATIVE MATURITY	104 -115 DAYS
MANAGEMENT	
PLANT POPULATION	HIGH
IRRIGATION	SUITABLE

DKC65-52BR

Key strengths:

- New genetics
- High yield potential
- Low ear placement

Hybrid in the DKC65 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	ALL AREAS
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	FAIR
DIPLODIA EAR ROT	GOOD
NORTHERN LEAF BLIGHT	GOOD
FOLIAR DISEASE	GOOD
SPECIFICS	
PLANT HEIGHT	250-280
EAR HEIGHT	95-115
EARS PER PLANT WEST	1
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	55-63
ESTIMATED RELATIVE MATURITY	104-115 DAYS
MANAGEMENT	
PLANT POPULATION	HIGH
IRRIGATION	SUITABLE

DKC66 SERIES

Key strengths:

- High yield potential
- New genetics
- Low ear placement

Hybrid in the DKC66 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:**
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	IRRIGATED / EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	GOOD
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	GOOD
NORTHERN LEAF BLIGHT	GOOD
FOLIAR DISEASE	GOOD
SPECIFICS	
PLANT HEIGHT	255-280
EAR HEIGHT	100-120
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	55-63
ESTIMATED RELATIVE MATURITY	104-115 DAYS
MANAGEMENT	
PLANT POPULATION	HIGH
IRRIGATION	SUITABLE



SMALLHOLDER FARMING



EVERY KERNEL COUNTS!

The built-in technology in our seed, unlocks a world of possibilities for your farm and ensures that one kernel per hole, is enough. Use **DEKALB** seed to your advantage ... one kernel at a time.

Content

04 Smallholder Farming

- **DEKALB**® Packaging ——— pg 072
- Yellow smallholder ——— pg 073
- White smallholder ——— pg 081





Every kernel counts!

To maximise your yield potential and ensure exceptional crop performance, **Bayer** is committed to continuously expanding our product range with cutting-edge solutions for your farm. We understand the importance of producing more with less resources. That is why every one of our maize seeds is backed by world-class technology and years of research and development, to ensure that you get the most out of every kernel. This built-in technology unlocks a world of possibilities for your farm and ensures that one kernel per hole, is enough.

DEKALB® offers a wide range of top-performing white and yellow hybrids that are widely adapted for smallholder farmers across South Africa. Insect and weed control are two critical aspects of maize production.

In this regard, technology plays an enormous part in protecting your crops and making your life as a farmer a bit easier. For this reason, our stack gene hybrids contain the built-in benefits of both **Roundup® Ready Maize 2** and **YieldGard® Maize 2** technology to provide protection against weeds and insects. These **DEKALB** seeds also have the added benefits of **Acceleron®** for protection against various soil-borne insects and diseases.

With this wide range of **DEKALB** hybrids you can be assured that your harvest is in good hands and that only one kernel per hole is needed to increase your yield potential. This is just one of the ways in which we are supporting you, so that you can support the nation.

With our excellent maize genetics and the trusted advice from our **Bayer** experts, we'll help you grow prosperity, one seed at a time. Contact your nearest **Bayer** representative today for advice on how to produce more with less this season.

One seed ... One hole ...

Your first step towards a successful harvest.



Let's help you plant your DEKALB success!

By feeding your community, you feed our country's future. Partner with us with a range of products specifically created for your needs. Technologies including **Roundup® Ready Maize 2** (burgundy bags), **Stack Genes** (blue bags) and **Conventional*** (orange bags) are available in packages of **2 kg**, **5 kg** and **30 000** kernels for both yellow and white hybrids

With our built-in seed technology, one kernel per hole is all what's needed to create the potential to seed your success. To buy these products, contact your nearest sales representative or visit a **DEKALB** stockist in your area today.

2 kg



5 kg



30 000 kernels



YELLOW MAIZE HYBRID SMALLHOLDER

The built-in technology in our **DEKALB** yellow maize hybrids unlocks a world of possibilities for your farm and ensures that one kernel per hole is enough. Use **DEKALB** seed to your advantage ... one kernel at a time.



DKC73-74BR GEN

Key strengths:

- Short plant with good standability
- Very high yield potential
- Good disease tolerance

Hybrid in the DKC73 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:**
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

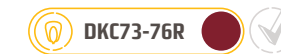
AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	EXCELLENT
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	YES
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	FAIR
EAR ROT	GOOD
DIPLODIA EAR ROT	GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	190-220
EAR HEIGHT	90-115
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	122-128 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	SUPPLEMENTARY

DKC73-76R

Key strengths:

- Short plant with good standability
- Very high yield potential
- Good disease tolerance

Hybrid in the DKC73 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:**
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	EXCELLENT
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	YES
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	FAIR
EAR ROT	GOOD
DIPLODIA EAR ROT	GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	190-220
EAR HEIGHT	90-115
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	122-138 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	SUPPLEMENTARY

DKC73-72

Key strengths:

- Short plant with good standability
- Very high yield potential
- Good disease tolerance

Hybrid in the DKC73 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	FEW
EMERGENCE	EXCELLENT
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	FAIR
SUN SCALD	YES
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	FAIR
EAR ROT	GOOD
DIPLODIA EAR ROT	GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	190-220
EAR HEIGHT	90-115
EARS PER PLANT EAST	1
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	122-138 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO HIGH
IRRIGATION	SUPPLEMENTARY

DKC74-74BR

Key strengths:

- New genetics
- Good grain quality
- Good standability

Hybrid in the DKC74 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST/WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	GOOD
STANDABILITY	GOOD
TILLERING	MANY
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	GOOD
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	FAIR
SPECIFICS	
PLANT HEIGHT	200-230
EAR HEIGHT	85-105
EARS PER PLANT EAST	1,2
EARS PER PLANT WEST	1,6
DAYS TO 50% TASSEL	70-80
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO LOW
IRRIGATION	NOT SUITABLE

DKC74-26R

Key strengths:

- New genetics
- Dries rapidly
- Good standability

Hybrid in the DKC74 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	EAST/WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	EXCELLENT
TILLERING	MANY
EMERGENCE	GOOD
GRAIN QUALITY	GOOD
TASSEL EARS	FEW
TIP COVERING OF EAR	EXCELLENT
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	GOOD
FUSARIUM STALK ROT	GOOD
MAIZE STREAK VIRUS	VERY GOOD
GREY LEAF SPOT	GOOD
EAR ROT	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	VERY GOOD
SPECIFICS	
PLANT HEIGHT	200-230
EAR HEIGHT	85-105
EARS PER PLANT EAST	1,2
EARS PER PLANT WEST	1,6
DAYS TO 50% TASSEL	70-80 DAYS
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO LOW
IRRIGATION	NOT SUITABLE

DKC80-40BR GEN

Key strengths:

- Highly prolific
- High yield potential

Hybrid in the DKC80 series:



- BR – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
Conventional
- Maize variety:
Yellow maize
White maize
Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	VERY GOOD
STANDABILITY	GOOD
TILLERING	AVERAGE
EMERGENCE	GOOD
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	EXCELLENT
DIPLODIA EAR ROT	EXCELLENT
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	200-240
EAR HEIGHT	90-110
EARS PER PLANT WEST	1,7
DAYS TO 50% TASSEL	68-78
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO LOW
IRRIGATION	SUPPLEMENTARY

DKC80-30R

Key strengths:

- Highly prolific
- Excellent standability

Hybrid in the DKC80 series:



- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST
GRAIN COLOUR	YELLOW
CHARACTERISTICS	
YIELD STABILITY	VERY GOOD
STANDABILITY	GOOD
TILLERING	AVERAGE
EMERGENCE	GOOD
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	EXCELLENT
DIPLODIA EAR ROT	EXCELLENT
NORTHERN LEAF BLIGHT	VERY GOOD
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	200-240
EAR HEIGHT	90-110
EARS PER PLANT WEST	1,7
DAYS TO 50% TASSEL	68-78
ESTIMATED RELATIVE MATURITY	120-135 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM TO LOW
IRRIGATION	SUPPLEMENTARY



WHITE MAIZE HYBRID

SMALLHOLDER

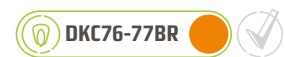
With our wide range of white maize hybrids, you can look forward to an abundant harvest.

DKC76-77BR

Key strengths:

- Highly prolific
- High yield potential
- Excellent stability

Hybrid in the DKC76 series:



- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST/EAST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	AVERAGE
EMERGENCE	EXCELLENT
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	GOOD
EAR ROT	GOOD
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-280
EAR HEIGHT	95-130
EARS PER PLANT WEST	1,9
EARS PER PLANT EAST	1,2
DAYS TO 50% TASSEL	70 - 80
ESTIMATED RELATIVE MATURITY	117-145 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	SUPPLEMENTARY

DKC76-73R and DKC76-71

Key strengths:

- Highly prolific
- High yield potential
- Excellent standability

Hybrids in the DKC76 series:



- BR** – Stacked Traits
R – Roundup Ready® Maize 2
B – YieldGard® Maize 2
 Conventional
- Maize variety:**
 Yellow maize
 White maize
 Irrigation maize



DEKALB® seed bag:

Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

	DKC76-73R	DKC76-71
AREA	WEST/EAST	WEST/EAST
GRAIN COLOUR	WHITE	WHITE
CHARACTERISTICS		
YIELD STABILITY	EXCELLENT	EXCELLENT
STANDABILITY	VERY GOOD	VERY GOOD
TILLERING	AVERAGE	AVERAGE
EMERGENCE	EXCELLENT	EXCELLENT
GRAIN QUALITY	EXCELLENT	EXCELLENT
TASSEL EARS	FEW	FEW
TIP COVERING OF EAR	VERY GOOD	VERY GOOD
SUN SCALD	NONE	NONE
DISEASE TOLERANCE		
COMMON RUST	EXCELLENT	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD	VERY GOOD
MAIZE STREAK VIRUS	GOOD	GOOD
GREY LEAF SPOT	GOOD	GOOD
EAR ROT	GOOD	VERY GOOD
DIPLODIA EAR ROT	VERY GOOD	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT	EXCELLENT
FOLIAR DISEASE	EXCELLENT	EXCELLENT
SPECIFICS		
PLANT HEIGHT	210-280	210-280
EAR HEIGHT	95-130	95-130
EARS PER PLANT WEST	1,9	2
EARS PER PLANT EAST	1,3	1,2
DAYS TO 50% TASSEL	70-80	70-80
ESTIMATED RELATIVE MATURITY	117-145 DAYS	117-145 DAYS
MANAGEMENT		
PLANT POPULATION	MEDIUM	MEDIUM
IRRIGATION	SUPPLEMENTARY	SUPPLEMENTARY

DKC78-45BR GEN

Key strengths:

- Highly prolific
- Very high yield potential
- Dries rapidly

Hybrid in the DKC78 series:



- BR – Stacked Traits

● R – Roundup Ready® Maize 2

● B – YieldGard® Maize 2

● Conventional
- Maize variety:

● Yellow maize

● White maize

● Irrigation maize



DEKALB® seed bag:
Take note of the colour and the white or yellow maize graphic on the bag to help find the correct technology and hybrid combination.

AREA	WEST/EAST
GRAIN COLOUR	WHITE
CHARACTERISTICS	
YIELD STABILITY	EXCELLENT
STANDABILITY	VERY GOOD
TILLERING	AVERAGE
EMERGENCE	AVERAGE
GRAIN QUALITY	EXCELLENT
TASSEL EARS	FEW
TIP COVERING OF EAR	VERY GOOD
SUN SCALD	NONE
DISEASE TOLERANCE	
COMMON RUST	EXCELLENT
FUSARIUM STALK ROT	VERY GOOD
MAIZE STREAK VIRUS	GOOD
GREY LEAF SPOT	VERY GOOD
EAR ROT	EXCELLENT
DIPLODIA EAR ROT	VERY GOOD
NORTHERN LEAF BLIGHT	EXCELLENT
FOLIAR DISEASE	EXCELLENT
SPECIFICS	
PLANT HEIGHT	210-240
EAR HEIGHT	95-130
EARS PER PLANT WEST	2,1
EARS PER PLANT EAST	1,5
DAYS TO 50% TASSEL	68-78
ESTIMATED RELATIVE MATURITY	120-148 DAYS
MANAGEMENT	
PLANT POPULATION	MEDIUM
IRRIGATION	SUPPLEMENTARY



Crop protection

To help farmers control existing crop threats and get ahead of potential challenges, we are constantly updating our diverse portfolio to ensure broad-spectrum disease, pest and weed control, easier crop management and timesaving technologies for maximising crop production and enhanced profitability.

At **Bayer**, we know that farming is not just a job, it's a calling. We know the responsibility that comes with driving a sustainable and profitable farming practice and we grasp the various challenges producers are confronted with daily.

We also understand that to turn today's challenges into tomorrow's breakthroughs, requires collaboration with a partner that backs you with innovative agricultural solutions and cutting-edge technology. For the last century, **Bayer** has proven to be that partner for agricultural producers across the planet.

WHO ARE WE?

As a global enterprise with core competencies in the life sciences of health care and agriculture, **Bayer's** products and services are aimed at advancing the health of people, plants and the environment. At **Bayer Crop Science**, we're harnessing the spirit of innovation to shape what's possible for farmers, consumers, and the planet. Using the creative spark that comes from human ingenuity, we seek to deliver world-class innovation, set new standards in sustainability, and drive digital transformation to reach our goal of ...

Health for all,
Hunger for none

Bayer offers integrated solutions to producers by combining tested, high-yielding seed and gene technology with a wide range of crop protection products. These products and technologies are suited for both large- and small-scale farmers. To help farmers control existing crop threats and get ahead of emerging ones, we are constantly updating our diverse product portfolio of herbicides, fungicides and insecticides. Our crop protection products offer proven broad-spectrum disease, pest and weed control, easier crop management and the timesaving technologies for maximising crop production and enhancing profitability.

Our extensive crop portfolio includes amongst others, **maize, cereals** (such as **wheat, canola** and **barley**), **potatoes, citrus, wine** and **table grapes**, and a variety of **vegetables** such as tomatoes, carrots and onions. Modern digital systems also open doors for producers because it combines seed and gene technology with the optimal application of crop protection products. Therefore, **Bayer** is committed to the continuous development of technology such as the **Climate FieldView™** platform, to offer solutions that brings about effective, profitable farming.





Your maize
our passion



BULLET

BULLDOCK

decis
FORTE

Guardian

HARNES
Xtra

LAUDIS

NATIVO

Pantera

VELUM
GR

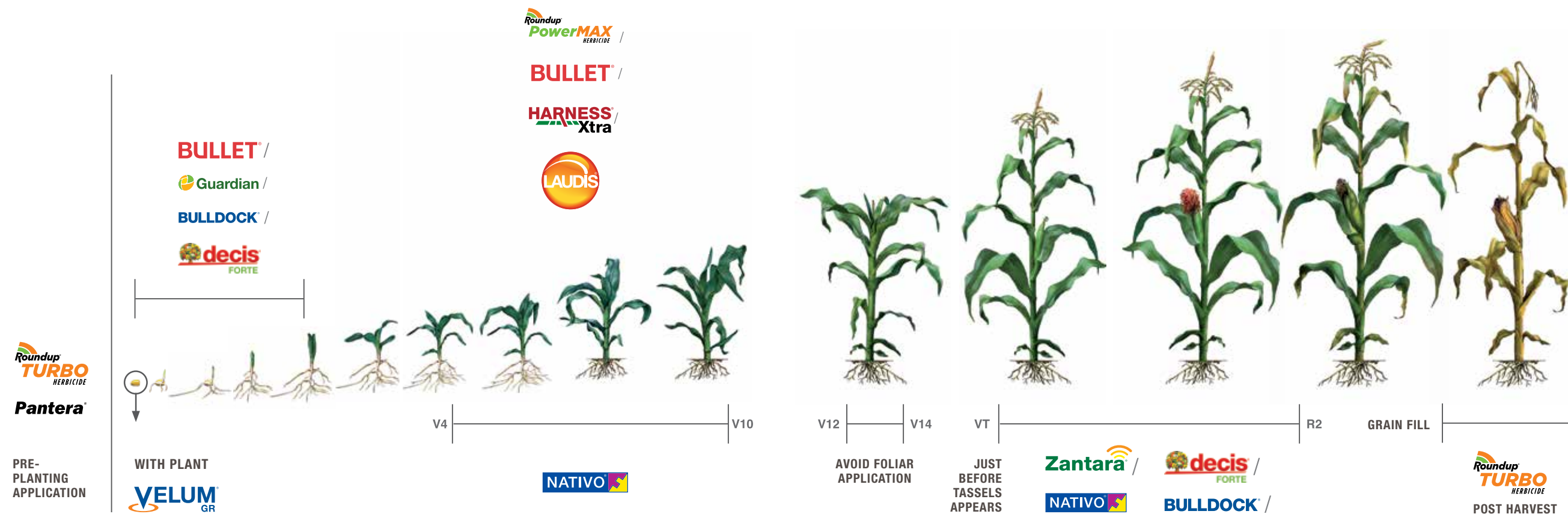
Zantara

DEKALB
SEED YOUR SUCCESS

ACCELERON
SEED APPLIED SOLUTIONS



Maize spray programme



- // YieldGard® Maize 2 controls maize stem borer and fall armyworm.
- // This is only a guideline and can vary according to the area and hybrid choice.
- // Contact your Bayer representative for more information.

Maize Weed Spray Programme



PRE-PLANT

Standard base programme

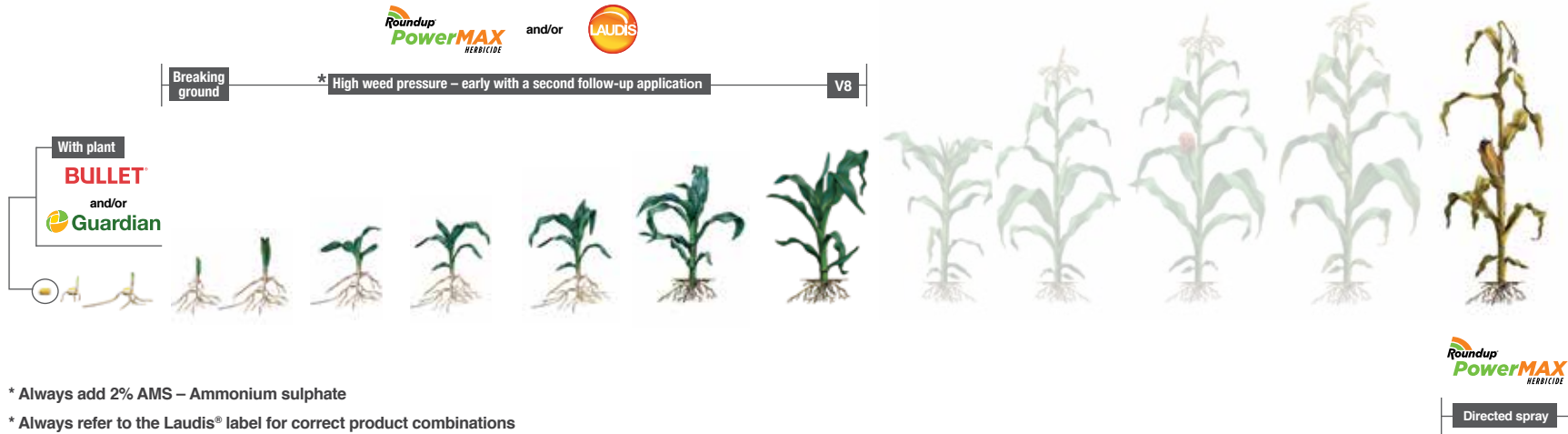


Volunteer Roundup Ready® maize programme

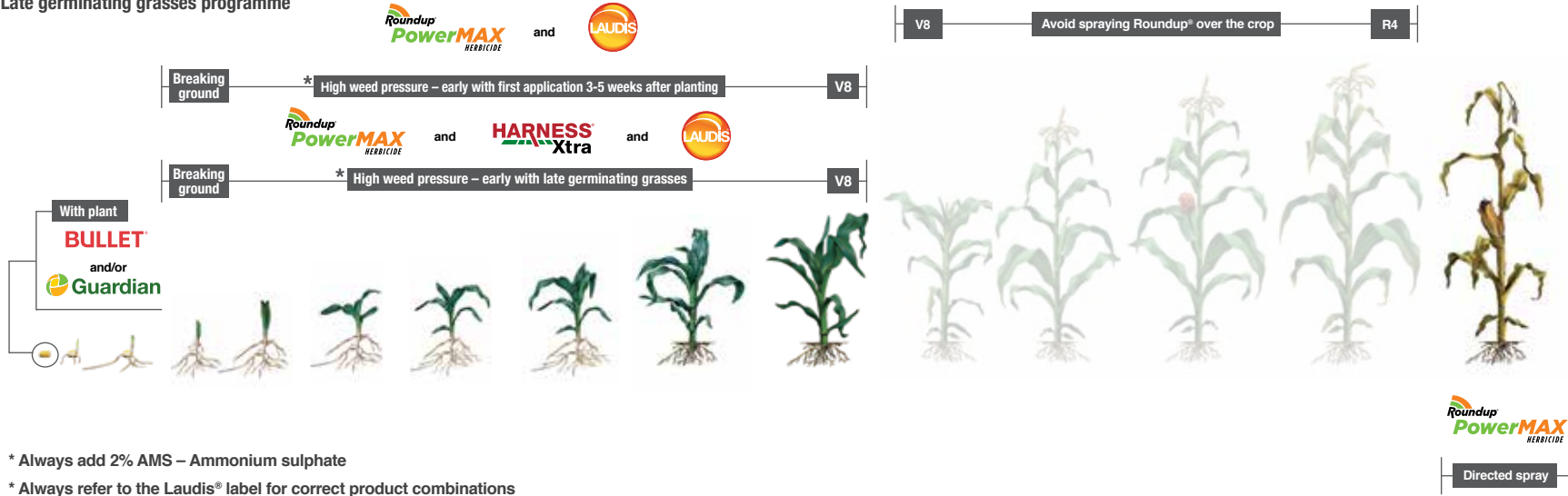


Pantera®
Silwet®

Standard base programme



Late germinating grasses programme



Roundup Ready
TECHNOLOGY



Crop protection product range

Backing you this season with our wide range of insecticides, fungicides and herbicides for broad-spectrum weed, pest and disease control.



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SEED YOUR SUCCESS WITH DEKALB®

With our **DEKALB** brand, we offer innovative solutions for our producers to enhance productivity with top-performing maize hybrids, supported by technology and development. The genetic diversity of our hybrids form the basis of our breeding programme and offers variety to our producers. Our technology offers built-in traits that help producers combat insects and pests, simplify weed control or simply increase productivity to ensure that you get the most out of every hectare.

Our doors are always open and we invite our producers to work in partnership with us to create solutions for the challenges on your farm.

At **Bayer**, our producer's pride and passion is our priority and form the foundation for everything that we do. Partner with **Bayer** and let's make **your pride our passion**.



The future of farming ... at your fingertips.

Climate Fieldview™ is a data-driven platform designed to analyse your farming needs, allowing you to better utilise inputs and natural resources. A subsidiary of **Bayer**, Climate Corporation is dedicated to help farmers to sustainably increase productivity with digital tools.

Climate Fieldview™ enables the farmer to collect, store and analyse data on a single easy-to-use platform, **Fieldview™ Plus**. This leads to measurable improvements in productivity through the benefit of data-driven decision-making right throughout the planting season. The platform, which already boasts with thousands of international users and roughly 25 million hectares in farmland, has been launched in South Africa under the **Climate Fieldview™** beta programme, offering many exciting opportunities to you as farmer.



GET YOUR DATA IN ONE PLACE

Collect operating data, integrate your digital maps, and visualise yield results on one platform.



UNCOVER VALUABLE FIELD INSIGHTS

Visualise and analyse crop performance to make the best input decisions for your farm.



MAXIMISE YOUR PRODUCTIVITY

Build a customised plan for each field with variable rate seeding and fertility prescription tools.

Meeting you where you are ... to take you further.

The platform has been designed with the utmost user-friendliness in mind, meaning that integration of the platform into your existing farming practices will be seamless.

- **Fieldview™** is the most connected platform in the industry, with connectivity between the platform and many agronomic software partners.
- Data sharing is simple and allows farmers to choose between sharing an entire operation, one farm, or single fields.
- **Fieldview™ Drive** is simple to install and compatible with 80% of equipment types.

Fieldview™ Plus will be the primary offer in South Africa, with which the following exciting data-management techniques can be applied.

1. Collect all your data in one place
2. Visualise and analyse your data
3. Create prescriptions for next season
4. Grow on-farm share by surfacing the performance of **Bayer** products.

Enter the farming world of tomorrow ... talk to us today and get started with **Fieldview™**.



Quality is
non-negotiable



NATIVO®

What is Nativo®?

Nativo® is a systemic suspension concentrate fungicide containing the active ingredients Tebuconazole (*triazole*) 200 g/l and Trifloxystrobin (*strobilurin*) 100 g/l. These active ingredients allow for two tried and tested modes of action with excellent protective and curative activity due to Tebuconazole and protective action due to Trifloxystrobin. These two modes of action offer excellent broad-spectrum disease control to allow for optimum yield and a quality advantage. Its flexibility in application time also makes **Nativo®** a popular choice for agricultural producers across the country.

What does Nativo®'s mesostemic action entail?

PROTECTION

- /// Penetrate the plant tissue
- /// Redistribution on the plant surface
- /// Translaminar movement and activity - providing protection against infection on both leaf surfaces

PERSISTENCE

- /// Rain fastness
- /// Absorption by the waxy layer

PREVENTION

- /// Strong activity on the plant surface

Nativo® can be used for protection against the following diseases in maize:

- /// Brown rust (*Puccinia Sorghi*)
- /// Grey leaf spot (*Cercospora zeae-maydis* and *Cercospora zeina*)
- /// Northern corn leaf blight (*Exserohilum turcicum*, *Helminthosporium turcicum* and *Setosphaeria turcica*)

Powerful
weed control
in harmony
with your crop



LAUDIS®

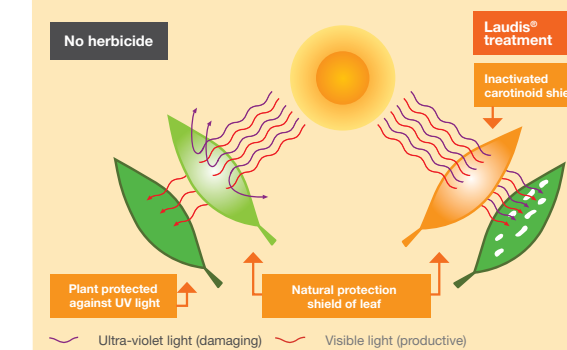
What is Laudis®?

Laudis® is a suspension concentrate post-emergence herbicide for the control of certain broadleaf and grass weeds in maize and sugarcane. **Laudis®** contains the active ingredients Tembotrione (Triketone) and Isoxadifen-ethyl (Safener). This two-in-one technology combines a powerful active ingredient and a highly effective safener for effective weed control that works in harmony with your maize. **Laudis®** is registered for use with **Harness® Xtra** for residual grass control support and in combination with **Roundup® PowerMAX** as a resistance management tool.

Why Laudis®?

- /// Contains safener technology for the protection of your crops.
- /// Lowest risk herbicide.
- /// Offers application flexibility.
- /// Rainfast within 1 hour of application.
- /// Offers protection even in unfavourable weather conditions.
- /// The effect of **Laudis®** can be seen within a few days after application.

Tembotrione (**Laudis®** a.i.) inhibits the HPPD* enzyme activity which deprives the chlorophyll of its protection. This allows for fully systemic translocation of the active ingredient throughout the whole target plant.



* HPPD – inhibitor (bleacher) 4 hydroxy-phenyl-pyruvate-dioxygenase

With **Laudis®**, you can now plan your post-emergence herbicide programme with peace of mind.



For improved soil, plant and root health

What is Velum® GR?

Velum® GR is a contact and systemic nematicide registered on maize for the control of lesion and root-knot nematodes.

Velum® GR contains the active ingredient *Fluopyram* (Pyridinylethylbenzamide).

Why Velum® GR?

- /// Offers excellent nematode control.
- /// Increased yield and crop vigour (root and plant health).
- /// Favourable toxicological profile - Safe for use on crops and with other herbicides.
- /// Offers effective and long-lasting control at low active ingredient rates.
- /// Unique granular formulation allows for covering of most of the plant's root zone for improved uptake.
- /// Greening effect – Photosynthesis can take place optimally, improving the growth of maize cobs.



How does Velum® GR work?

- /// **Velum® GR** causes a shortage of available energy through limiting the energy production process.
- /// The nematodes show first symptoms 30 minutes after applying **Velum® GR**, then become inactive and die.

Improved protection – Improved yield

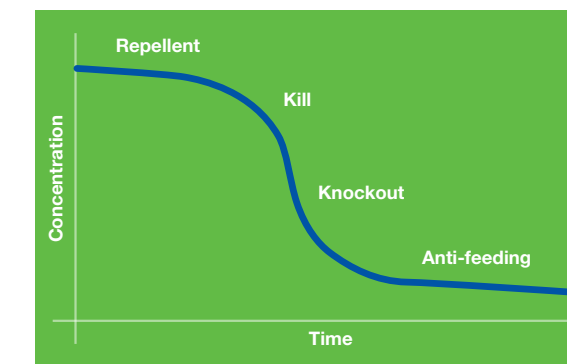
Bulldock® 125 SC is a suspension concentrate contact and stomach insecticide for the control of insect pests on various crops as indicated on the label. Suspension concentrates (SC) are stable concentrates of solid active ingredients in water. The main advantage of SC is its residual action against pests. The average particle size is 1 - 2 µm, that is in appearance, similar to macro emulsions.

Bulldock® 125 SC belongs to the insecticide group code 3 that influence the voltage-gated sodium channel. The lipophilic nature of the molecule allows it to penetrate very rapidly through the insect cuticle and is absorbed in the waxy layer of the plant. It covers a broad pest spectrum including Lepidoptera, hemiptera, coleoptera and others.

Bulldock® is a pyrethroid insecticide that still controls pyrethroid resistant Lepidoptera species due to the fluorine atom that is present in the structure that inhibits the enzyme that is responsible for pest resistance. Secondly, with regards to the enantiomers there is a difference in efficacy between pyrethroids with cis- or trans- isomers, with **Bulldock® 125 SC** having a higher trans configuration. This also contributes to **Bulldock®**'s higher efficacy against insects of resistant populations.



How does pyrethroids work?



The promise of pyrethroids:

- /// High efficacy – fast knockdown
- /// Multi-crops > 300
- /// Broad-spectrum chewing and sucking insects
- /// Low dosage (5 – 15 g.i./ha) is needed
- /// Cost-effective
- /// Novel mode of action (Na channel)
- /// Safe for humans and the environment



Decis® Forte is a contact and stomach insecticide formulated as an emulsifiable concentrate, for the control of various insect pests on crops. Having only one active isomer, its efficacy is not influenced by unsuitable environmental conditions (warm dry soil). Its structure also ensures an even distribution that directly influences its up-take and efficacy.

Registered crops:

- /// Apples
- /// Beans
- /// Cactus & Spineless Pear (Opuntia spp.)
- /// Cotton
- /// Grain Sorghum
- /// Grapes
- /// Grass Pastures
- /// Groundnuts
- /// Hops
- /// Lettuce
- /// Lucerne
- /// Lupins
- /// Maize
- /// Sweetcorn
- /// Mangoes
- /// Nectarines
- /// Onions
- /// Ornamentals
- /// Paprika
- /// Peaches
- /// Pears
- /// Peas
- /// Plums
- /// Potatoes
- /// Sweet Potatoes
- /// Tomatoes
- /// Wattle Plantations
- /// Wheat

Key indicators:

- /// American bollworm
- /// Antestia
- /// Army worm
- /// Banded fruit weevil
- /// Bollworms & Stainers

- /// Cactoblastis larvae
- /// Chafer beetle
- /// Chilo stalk borer (Chilo partellus)
- /// Codling moth
- /// Cutworms
- /// Hawkmoth larvae
- /// Leafminers
- /// Lucerne caterpillar
- /// Maize stalk borer (Busseola fusca)
- /// Mango weevil
- /// Red bollworm
- /// Spiny bollworm
- /// Thrips
- /// Tuber moth
- /// Wattle mirid
- /// Weevils



Guard your crops against weeds this season

What is Guardian®?

Guardian® is an emulsifiable concentrate with the active ingredient Acetochlor (+ safener) for the pre-emergence control of grass and certain broadleaf weeds in maize and groundnuts and for pre- and post-emergence weed control in plant and ratoon sugarcane. **Guardian®** also contains a proven safener for safe use on maize.

How to apply Guardian®:

- /// When mixing **Guardian®** with other herbicides or using in a programme spray, read the labels of all the involved products and adhere to the recommendations. Also shake container well before use. Close container securely after use. Also ensure that spray equipment is accurately calibrated before and during spraying operation.
- /// Apply **Guardian®** tank mixtures in maize and sugarcane preferably at planting or immediately after planting within 3 days after last cultivation. Do not apply pre-emergence treatments on maize later than three days after planting and last cultivation. Use 100-300 l/ha total spray volume for overall ground application.
- /// 10-15 mm rain within 7-10 days after application is necessary for good weed control.



- /// For optimum weed control, seed preparation should take place within 3 days before planting which is followed immediately by the **Guardian®** application and then 10-15 mm rain or irrigation within 3 days to wash the herbicide into the zone of germinating weeds.

- /// Under dry conditions, weed seedlings may emerge. These are usually stunted and can be controlled with either a shallow cultivation, which also mixes the herbicide with the top 10-20 mm soil, or with a registered post-emergence herbicide treatment.

- /// If soil crusting becomes a problem, rotary harrow in the same direction the rows are planted to assist maize germination.

- /// Cultivation after application may reduce weed control if untreated soil is brought to the surface.

- /// Ensure that enough fertiliser is placed near the seed at planting, to promote vigorous seedling growth. This is especially important at early planting when the soil temperature is relatively low accompanied by continuous moist conditions.



Zantara®

Protect the powerhouse of your crop

What is Zantara®?

Zantara® is a systemic emulifiable concentrate fungicide for the unparalleled control of northern corn leaf blight as well as grey leaf spot on maize.

How does Zantara® work?

Zantara® contains the active ingredients Bixafen (Succinate Dehydrogenase Inhibitor) and Tebuconazole (Triazole) which both offers different modes of action. Both compounds show true systemic behaviour. These systemic properties of the two unique modes of action, results in robust disease control. Bixafen inhibits the succinate dehydrogenase in the fungal respiratory chain and thereby blocks the cellular energy production in the fungicide cell while Tebuconazole disrupts the cell wall of the disease-causing fungi. The higher translocation speed of Tebuconazole also gives faster protection activity, while the slower translocation speed of Bixafen is a clear indicator for advantageous long-lasting activity.

These two active substances remain evenly distributed in the tissue over a long period of time, without accumulating at the leaf tips. In doing so, they are simultaneously controlling both the new and the existing pathogens.

Benefits of Zantara®:

- /// Unparalleled control of northern corn leaf blight and grey leaf spot resulting in a yield benefit.
- /// Combination of two unique modes of action.
- /// Bixafen stops energy production in the fungal cell.
- /// Tebuconazole disrupts the cell wall of the disease-causing fungi .
- /// It complements **Nativo®**'s dual spectrum activity through its alternative way of disease control.
- /// Anti-aging effect (physiological benefits).

Pantera®

Pantera® is a registered selective herbicide used to control volunteer maize in minimum or no-tillage systems, allowing for the direct planting of seed in crop residues. The product is used alongside **Roundup Ready®** to achieve increased conservation in farming practices. **Pantera®**, together with **Roundup® TURBO**, can be used pre-plant in a tank mixture for the control of volunteer maize, with planting which can occur in as little as five days after application.

Can be used with*:

- **Roundup® TURBO**
- **Roundup® PowerMAX**
- **Guardian S®**
- **Silwet L-77®**

It is essential to strictly follow all directions for use on the labels.

When **Pantera®** is mixed with **Roundup® Turbo** or **Roundup® PowerMAX** for the control of volunteer maize, it has to be applied at a minimum of 150 l/ha clean water at 100 to 150 kPa. To ensure proper and even droplet distribution on the leaves of volunteer maize, it is recommended to add **Silwet L-77®** at a rate of 0,025%.

Guidelines for application:

- /// Should only be applied to young, actively growing weeds and volunteer maize under favourable and moist conditions.
- /// To ensure optimum results, it is essential that the weed or volunteer maize is completely covered with the spray solution.
- /// Can be applied with any accurately calibrated medium or high-volume spray equipment, but it is essential for the spray equipment to have an effective agitating mechanism to promote good coverage and even distribution. The best results are obtained by using flat fan spray nozzles.
- /// The purpose of the tank mixture is to control the maximum percentage of the volunteer maize with a single spray. Therefore, it is important to keep in mind that good rainfall is the point of departure. Adequate time should be allowed for the seed to germinate and the volunteer plants to reach the required size.
- /// Before spraying can take place, provision should be made for a period of approximately one month.
- /// Soil temperature plays an important role and germination takes about seven to 10 days.
- /// It is advisable to allow enough time before spraying so that most of the kernels can germinate in the soil.
- /// After application there is a waiting period of five days before planting can take place.

Bullet® is a time-released premix of Acetochlor (250 g/ℓ), Atrazine (225 g/ℓ) and Terbutylazine (225 g/ℓ). It is a suspension concentrate herbicide for pre- and early post emergence control of annual broad-spectrum weeds in maize.

It can be used on maize and sorghum to control 36 of the toughest grasses and broadleaf weeds in maize to maximise yield by controlling weeds before they emerge.

Why use Bullet®?

All-encompassing pre- and early post emergence weed control on a wide variety of grasses and broadleaf weeds, including:

Grasses:

- /// Sweet signal grass
- /// Feathertop chloris
- /// Crab finger grass
- /// Goose grass
- /// Slender biesie
- /// Common buffalo grass
- /// Sweet buffalo grass
- /// Garden bristle grass
- /// Sticky bristle grass
- /// Small carrotseed grass
- /// Large carrotseed grass
- /// Garden grass
- /// Bosveld beesgrass
- /// Herringbone grass

Broadleaf weeds:

- /// Eight-seeded prostrate starbur
- /// Five-seeded prostrate starbur
- /// Upright starbur
- /// Perennial pigweed
- /// Common pigweed
- /// Thorny pigweed
- /// Red pigweed
- /// Spanish blackjack
- /// Cosmos
- /// Blackjack
- /// White goosefoot
- /// Green goosefoot
- /// Spindlepod
- /// Pretty lady
- /// Bengal wandering jew
- /// Mielie crotalaria
- /// Striped wild cucumber
- /// Yellow nutsedge
- /// Thorn apple (early germinating only)
- /// Gallant soldier
- /// Gisekia
- /// Kenaf
- /// Bladder weed
- /// Common morning glory
- /// Apple of Peru
- /// Wild gooseberry
- /// Purslane
- /// Tropical richardia

Application Information:

Compromising of millions of small, medium and large capsules to provide all-encompassing pre- and early post emergence weed protection, **Bullet®** can be used in both clean-till and no-till conditions and is applied as a spray according to row band treatments.

- /// Apply within 3 days of the last cultivation, for optimal performance. Should ideally be followed by 10-15 mm of rain within 10 days of application.
- /// Can be used for both complete ground cover application and a strip application. Adjust dosage rates accordingly.
- /// During the post emergence stage, the broad leaves should be smaller than the 4-leaf stage. If weeds have reached this stage, application should follow a shallow cultivation.
- /// Cultivation after application could reduce efficacy since untreated soil is brought to the surface.
- /// Optimum weed control is obtained on a fine even seedbed, free of weeds, trash and clods. However, **Bullet®** will give weed control in stubble mulch or minimum tillage conditions.



BULLET®

Harness® Xtra is an emulsifiable concentrate (960 g/l) herbicide with the active ingredient Acetochlor, for the pre-emergence control of grass and certain broadleaf weeds in groundnuts, sugarcane, Eucalyptus and pine plantations and industrial areas, and pre-emergence weed control in plant and ratoon sugarcane, grain sorghum, cotton and maize after emergence of the crop.

Use for:

- /// Cotton
- /// Grain sorghum
- /// Groundnuts
- /// Industrial areas
- /// Maize
- /// Eucalyptus and pine plantations and industrial areas
- /// Sugarcane

Directions for use:

- /// Do not apply onto experimental or newly released hybrids without referring to the manufacturer and seed suppliers.
- /// Read restrictions on rotation crops on the labels of herbicides mixed with **Harness® Xtra**.
- /// Do not apply to poorly drained soils as the herbicide may cause crop injury.
- /// Do not apply to sandy soils which are susceptible to wind erosion.
- /// Flood irrigation can reduce weed control performance.

- /// Optimum weed control is obtained on a fine seedbed, free of weeds, trash and clods. However, **Harness® Xtra** will give weed control in stubble mulch or minimum tillage conditions.

Mixing instructions:

- /// When mixing **Harness® Xtra** with other herbicides or using in a programme, read the labels of all the involved products and adhere to the manufacturer's recommendations.
- /// Shake container well before use and close container securely after use.
- /// When mixing product with other registered herbicides, use the following mixing procedure chronologically:
 - a.) Fill spray tank to three quarters with clean water. Add required amount of complementary herbicide to the water, agitating continuously.
 - b.) Continue filling the spray tank with water and add the required amount of **Harness® Xtra** just before the tank is filled to its full level.
 - c.) Ensure thorough agitation of mixture in the tank during mixing and spraying.
 - d.) Tank mixtures must be sprayed out immediately.
 - e.) Thoroughly flush out and clean spraying equipment at the end of spraying operation.

Application information:

- /// Ensure that spray equipment is accurately calibrated and regularly checked before and during the spraying operation.

- /// Apply **Harness® Xtra** tank mixtures preferably at planting or immediately after planting. Use 100 - 300 l/ha total spray volume for overall ground application.
- /// 10 - 15 mm rain within 7 to 10 days after application is necessary for good weed control.
- /// For optimum weed control, seedbed preparation should take place within 3 days before planting, which is followed immediately or within 3 days by the **Harness® Xtra** application.
- /// Under dry conditions, weed seedlings may emerge. These are usually stunted and can be controlled with either a shallow cultivation, which also mixes the herbicide with the top 10 - 20 mm of soil, or with a recommended post-emergence herbicide treatment.
- /// Cultivation after application may reduce weed control if untreated soil is brought to the surface.
- /// Ensure that sufficient fertilizer is placed near the seed at planting to promote vigorous seedling growth. This is especially important with early planting when the soil temperature is relatively low accompanied by continuous moist conditions.
- /// Dosage rates and spray volumes should be adjusted accordingly for on the row band treatments.



HARNESSEXtra



CONTAINS TRANSORB™ TECHNOLOGY FOR FASTER ABSORPTION AND TRANSLOCATION



HAS GOT APPLICATION FLEXIBILITY AS PER INDIVIDUAL LABEL RECOMMENDATIONS



BROAD-SPECTRUM WEED CONTROL

Glyphosate (the active ingredient in **Roundup® PowerMAX** and **Roundup® TURBO**) is registered for use on more than 100 crops worldwide for the effective control of grasses and herbaceous weeds. **Roundup®** is widely used prior to planting of crops in order for farmers to plant in a clean seed bed. It can also be used post-planting before crop emergence as well as post-emergence on **Roundup Ready®** crops.



Roundup® PowerMAX is a high load, free-flowing liquid which contains 540 g glyphosate (glycine) a.e/ℓ (contains 663 g potassium salt of glyphosate/ℓ). **Roundup® PowerMAX** guarantees crops' safety and is used for post-emergence as a general spray over the top or directed on crops that contain the **Roundup Ready® technology**. **Roundup® PowerMAX** offers broad-spectrum weed control and contains **Transorb™** technology for faster absorption and translocation for faster uptake and symptoms.

Benefits of Roundup® PowerMAX?

- **Roundup® PowerMAX** consists of a mixture of non-aggressive surfactants that is optimised for maximum leaf uptake without cuticle damage in shortest time.
- Rainfast within one hour of spraying.
- Superior performance in a wide range of weather conditions.
- It holds additional benefits to the operator and ensures environmental safety.
- Has extremely short cultivation intervals and improved results under challenging conditions (rainfast within 1-hour, hard water, dry, cold).
- Low drift properties of **Roundup® PowerMAX** helps farmers comply with Best Practice (sustainable use directive/water framework directive).
- Does not require added surfactant, even at low rates.
- Carries a wide range of tank mixes for maximum flexibility.



Roundup® TURBO is a soluble concentrate containing 450 g/ℓ glyphosate, present as 607 g/ℓ of the potassium salt of glyphosate. It is a unique formulation of glyphosate containing 25% more active ingredients than the standard Roundup 360 formulation. This provides benefits to growers in the form of reduced storage and packaging waste.

How does Roundup® TURBO work?

Roundup® TURBO can be used pre-plant in a tank mixture for the control of volunteer maize; and the producer can plant maize as soon as five days after application. The glyphosate is absorbed into the weed plant through its leaves and soft stalk tissue before being transported throughout the weed to the roots, nodules and bulbs. Glyphosate is rapidly inactivated when it comes into contact with soil since it is absorbed onto soil particles and thus cannot be taken up by the roots. Its unique action in weed involves the inhibiting of a single enzyme only found in the weed plant. Therefore, it only controls weed and not micro-organisms or animals and insects.

Why Roundup® TURBO?

Roundup® TURBO offers broad-spectrum weed control and contains **Transorb™** technology for faster absorption and translocation for faster uptake and symptoms. As a pre-plant spray, you can rely on clean fields. **Roundup® TURBO** is rainfast within two hours of spraying and shows greater consistency in a wider range of weather conditions. This powerful formulation contains 25% more glyphosate per litre than **Roundup® 360** and allows for less packaging, handling and waste than 360 formulations. Two of the key benefits of **Roundup® TURBO**, is its compatibility with a wide range of other products and its application flexibility as per individual label instructions.

MIXING ORDER OF PRODUCTS

AS EASY AS:
1-2-3

Roundup
PowerMAX
HERBICIDE

Roundup
Ready
TECHNOLOGY

Effective weed control ... without fail.

Roundup® – still the most effective solution.

When it comes to broad-spectrum weed control as part of a crop protection programme, the consistent quality of Roundup® is still unsurpassed. Roundup® is compatible with a wide range of other crop protection products as indicated on the label. It is the ideal product, enabling conservation agriculture and keeping your fields and perennials free of weeds - enabling your crops to reach their full potential.

For effective crop protection as well as the correct use of the products, read the complete product labels. Only the correct and responsible usage of these herbicides will ensure successful weed management which will enhance yield and profitability.

DF = Dry liquid powder
EC = Emulsifiable concentrate
SC = Suspension concentrate
SL = Soluble concentrate
WDG = Water soluble pellets
WP = Wettable powder

Please note: The order mentioned to the left is applicable to Roundup® tank mixtures. Do not place more than four products in a tank mixture.

Advantage
from
DAY 1



For over a decade, our agronomists have been testing products from leading companies across the world to ensure that only the best and most suitable seed treatment products are used in the Acceleron® seed treatment package. Use Acceleron® treated seed to enhance yield and reduce environmental stress.

As a leading global provider of technology-based tools and agricultural products that improve farm productivity and food quality, we are committed to deliver solutions for the sustainable creation of ever-increasing demands to produce more with less. To help you maximise the performance potential of your seed from the start use Acceleron® treated seed. These seed treatment packages, available exclusively on DEKALB® hybrids, protect seed against a variety of early-season nematodes, insects, soil- and seed-borne diseases and maximise early-season plant stand, uniformity, and vigour for higher yield potential.

Acceleron® has been designed to complement, protect, and enhance Bayer's DEKALB® commercial hybrids from the outset through the best combination and performance of broad-spectrum insecticides, fungicides and nematicides under one umbrella. In addition, each seed is coated with a quality polymer to minimise dust and facilitate safe storage.

The Acceleron® seed treatment program is available in two offerings:

THE INSECT CONTROL PACKAGE:

Maxim® Quattro Reg. No. L9494. Active ingredients:

Thiabendazole (benzimidazole), azoxystrobin (strobilurin), fludioxonil (phenylpyrrole), metalaxyl-M (phenylamide)

Poncho® Reg. No. L8581. Active ingredients: Clothiaidin

Create® Reg. No. L10658. Active ingredients:

Prothioconazole (triazole)

- Includes complete fungicide package, as well as control of above- and below-ground insects which can damage seed and seedling.
- Systemic mode of action ensures protection of the entire seedling.
- Also contains **Create®** that protects plants against cob and tassel smut.
- Available in a higher dosage for areas where maize streak virus is an issue.

THE NEMATODE AND INSECT CONTROL PACKAGE:

Maxim® Quattro Reg. No. L9494. Active ingredients:

Thiabendazole (benzimidazole), azoxystrobin (strobilurin), fludioxonil (phenylpyrrole), metalaxyl-M (phenylamide)

Cruiser® Force Reg. No. L8597. Active ingredients:

Thiamethoxam (neonicotinoid)

Avicta® Reg. No. L8496. Active ingredients: Abamectin

Create® Reg. No. L10658. Active ingredients:

Prothioconazole (triazole)

- Includes complete fungicide and insect control package, as well as control for above and below soil insects which can damage seed and seedlings.
- Additional active (abamectin) controls nematodes.
- Abamectin kills parasitic nematodes to give very effective protection of young roots.
- Available in a higher dosage for areas where maize streak virus is an issue.

To achieve the best results, we recommend the nematode and insect control combined package. This package has the following benefits:

- Ensures healthy, vigorous seedlings.
- Protects seed and young seedlings to ensure optimum plant stand.
- Ensures strong root development from an early stage to enhance the efficacy of water and fertilizer usage.
- Early stimulation of growth promotes vigour of crop which has a significant effect on yield.
- Protects against pests and pathogens, such as cob and tassel smut, maize streak virus, etc. that can affect plants later in the season.
- Cost-effective with a low impact on the environment.
- Pest target specific and application specific, for optimal efficacy and efficiency.
- Offers timeous control when needed most.
- Seed treatments marketed by companies such as **BAYER** are high quality. Only the best products are used, including polymers, which ensure that active ingredients bind to the seed, where they remain, free of dust and without rubbing off. In this way, the flow of the seed is also improved.



Maximise your yield and crop potential from day one ... Talk to your DEKALB® seed representative or broker about our Acceleron® packages for your seed order.

Registration ownership

Roundup® contains 360 g glyphosate/ℓ. Caution. Reg. No. L0407 (Act No. 36 of 1947).

Roundup® **PowerMAX** contains 540 g glyphosate/ℓ. Caution. Reg. No. L7769 (Act No. 36 of 1947).

Roundup® **TURBO** contains 450 g glyphosate/ℓ. Reg. No. L7166 (Act No. 36 of 1947).

Bullet® contains 250 g acetochlor, 225 g atrazine, 225 g terbutylazine/ℓ. Reg. No. L5623 (Act No. 36 of 1947).

Guardian® contains 840 g acetochlor/ℓ. Reg. No. L4862 (Act No. 36 of 1947).

Harness® **Xtra** contains 960 g acetochlor/ℓ. Reg. No. L7703 (Act No. 36 of 1947).

The registration owner of **DEKALB**®, **Roundup**®, **Roundup Ready**®, **Roundup**® **TURBO**, **Guardian**®, **Roundup**® **PowerMAX**, **Bullet**®, **Harness**® **Xtra**, **Roundup Ready PLUS**®, **YieldGard**®, **Acceleron**®, **Roundup Ready**® **MAIZE 2**, **Roundup Ready**® **Technology**, **YieldGard**® **MAIZE 2** and **Transorb**™ is Bayer AG, Germany.

Climate FieldView™, **FieldView**™ **Drive**, **FieldView**™ **Plus** are registered trademarks of The Climate Corporation.

The following products are trademarks of Bayer AG, Germany:

Bulldock® Reg. No. L4540 (Act No. 36 of 1947)

Create® Reg. No. L10658 (Act No. 36 of 1947)

Decis® **Forte** Reg. No. L6563 (Act No. 36 of 1947)

Laudis® Reg. No. L8525 (Act No. 36 of 1947)

Nativo® Reg. No. L8942 (Act No. 36 of 1947)

Zantara® Reg. No. L10011 (Act No. 36 of 1947)

Velum® **GR** Reg. No. L10783 (Act No. 36 of 1947)

Velum® **Prime** Reg. No. L9965 (Act No. 36 of 1947)

Bullet® Reg. No. L5623 (Act No. 36 of 1947)

The following products are all trademarks of Syngenta SA (Pty) Ltd:

Maxim® **Quattro** Reg. No. L9494 (Act No. 36 of 1947)

Cruiser® **Force** Reg. No. L8597 (Act No. 36 of 1947)

Celest® **XL** Reg. No. L6353 (Act No. 36 of 1947)

Avicta® Reg. No. L8496 (Act No. 36 of 1947)

The following products are trademarks of BASF Holdings SA:

Poncho® Reg. No. L8581 (Act No. 36 of 1947)

Stamina® Reg. No. L9382 (Act No. 36 of 1947)

The following products are trademarks of Arysta LifeScience SA:

Pantera® is a selective post-emergent emulsifiable concentrated systemic herbicide for the control of certain annual and perennial grasses as well as **Roundup Ready**® volunteer maize. Reg. No. L6451 (Act No. 36 of 1947). **Pantera**® contains Quizalofop-p-tefury (120 g/ℓ). Harmful.

Silwet® is a non-ionic organosilicone surfactant for use with crop protection products. Reg. No. L6145 (Act No. 36 of 1947).



Bayer
Team

Get in touch with
your local representative.

**Kobus Steenekamp**

Commercial Lead South Africa

Isando

082 388 0219

TERRITORY EAST**GP van den Berg**

Territory manager

Howick

083 229 2649

Mynhardt Noëth

Area Manager: Crop Protection

071 362 9305

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Peet la Cock

Middelburg, Belfast – 082 325 6648

Lourens Swart

Bronkhorstspuit, Ogies, Delmas – 082 682 2079

Derick Moll

Amersfoort, Piet Retief – 083 458 9240

Jan Gouws

Bronkhorstspuit – 079 528 5295

Daan Coetzer Jnr

Grobiersdal – 073 912 7686

Nelius Moll

Ermelo, Carolina – 084 409 1594

Riehan Janse van Rensburg

Bethal – 082 781 4229

Jan Saaiman

Standerton – 066 480 1254

REGION 3**Mynhardt Noëth**

Manager: Crop Protection and Seed

071 362 9305

Louis du Plessis

Newcastle, Dundee – 082 372 2831

Kevin Gotte

Natal Midlands – 082 466 2040

Gavin Tarr

Underberg, Kokstad – 082 494 6099

Frans Putz

Bergville, Winterton – 082 324 4593

Richard Perks

Ugie, Elliot, Underberg – 082 723 0216

TERRITORY CENTRAL**Johan Bibbey**

Territory Manager: Seed, Crop Protection and

Climate FieldView – Potchefstroom

082 924 1077

Thom Steyn

Area Manager: Crop Protection

082 443 3881

Petri Kunz

Area Manager: Crop Protection

082 388 0174

Hennie Stander

Area Manager: Crop Protection

071 304 1165

REGION 2**Mof Krugel**

Area Manager: Seed

082 388 0755

Francois de Villiers

Harrismith, Warden – 082 779 5189

Arno Boshoff

Bethlehem, Kestell – 082 944 9303

Francois Koch

Balfour, Greylingstad, Grootvlei, Heidelberg,

Villiers, Nigel, Delmas

083 651 1571

Jan Schabert

Frankfort, Villiers – 082 773 4490

Barto Luus

Vrede – 082 378 2951

Wian Bolton

Daniëlsrus, Reitz, Petrus Steyn – 072 326 8000

Louis Pieterse Snr

Reitz, Petrus Steyn – 082 578 5614

Louis Pieterse Jnr

Reitz, Petrus Steyn – 082 944 7716

REGION 4

Jaco du Toit

Area Manager: Seed
082 818 2356

Leon Pretorius

Parys, Koppies, Kroonstad, Sasolburg
082 868 1243

Tiaan Erasmus

Potchefstroom, Vereeniging – 082 615 4625

SG Botes

Viljoenskroon – 082 651 9105

Gert Erasmus

Bothaville, Odendaalsrus – 082 446 6088

Thys Ellis

Bothaville – 072 243 6113

Wynand Nortje

Heilbron, Sasolburg – 071 606 5963

Cliffie Cawood

Senekal, Winburg, Steynsrus, Arlington
083 444 5527

Charles Kotzé

Clocolan, Ficksburg, Ladybrand – 082 898 7631

REGION 6

Hennie Stander

Area Manager: Seed 071 304 1165

Tiaan Vlok

Douglas – 082 551 2580

Louwtjie Steenkamp

Jacobsdal – 082 808 3316

Pieter-Paul de Vries

Upington, Groblershoop, Prieska – 082 948 2595

Andries Etsabeth

Prieska – 079 496 4663

Ben Cronjé

Hopetown, Luckhof – 083 701 7476

Nolene Cronjé

Broker Hopetown, Luckhof – 083 701 7476

RP Oelofse

Vaalharts – 082 823 2598

Dirkie Visser

Cradock, Hofmeyer, Gariep Dam – 082 550 4499

Flip Snyman

George, Humansdorp, Patensie – 082 335 4783

Hendrik Engelbrecht

Riviersonderend – 082 388 0235

Wille Loubser

Durbanville – 071 604 5965

TERRITORY WEST

Pieter Basson

Climate FieldView/ Territory Manager:
Seed, Crop Protection and Climate FieldView
Klerksdorp
082 314 1889

Richard Bamberger

Area Manager: Crop Protection – 072 743 7637

Schalk Kotze

Area Manager: Crop Protection – 082 896 2470

REGION 5

DW de Villiers

Bultfontein – 082 652 2550

Hannes Kriel

Area Manager: Seed – 079 525 6251

Rudie Bruin

Schweizer-Reneke – 066 307 3320

André Bezuidenhout

Bloemhof, Hoopstad – 083 448 9194

Sam Kramer

Kroonstad – 082 894 5788

Rudolph Marais

Wesselsbron – 083 293 0686

Ernst Marais

Wesselsbron, Welkom – 082 486 6440

Charl Blom

Christiana, Hertzogville – 079 874 6850

Benna van Wyk

Bloemfontein – 082 337 0910

Jacques van der Vyver

Wolmaransstad, Leeudoringstad, Makwassie
082 866 1698

REGION 7

Coenie Reichel

Area Manager: Seed
083 458 3135

Willa Botha

Hartbeesfontein, Ottosdal, Klerksdorp
083 287 6443

Werner Swanich

Lichtenburg West, Mafikeng, Zeerust
076 812 2041

Hannes Janse van Rensburg

Lichtenburg East, Coligny
083 230 8191

Gert van der Linde

Biesiesvlei, Sannieshof, Mareetsane, Stella
079 524 7954

Carl Bamberger

Delareyville, Vryburg, Migdol – 079 525 6591

André Meyer

Tarlton, Carletonville, Randfontein – 082 388 0198

Deon Schutte

Potchefstroom, Ventersdorp – 060 623 7667

Renier Viljoen

Thabazimbi – 082 377 5848

Pine Liebenberg

Warmbad – 083 255 9566

SMALLHOLDER AND EMERGING COMMERCIAL – ISANDO

Dudu Mashile

Territory Manager: Seed – 082 450 1212

Rodney Ndou

GP/ NW/ LP/ Lesotho/ Botswana – 078 155 9382

Sandile Khumalo

EC/ MP/ eSwatini – 082 388 0215

Chris Phakathi

MP/ KZN – 082 388 4446

TERRITORY NORTH

Schalk van Wyk

Territory Manager – Nelspruit
082 878 0818

Armand van Zyl

Area Manager: Crop Protection
083 463 0280

TERRITORY SOUTH (WESTERN, EASTERN AND NORTHERN CAPE)

Margaret Reinecke

Territory Manager – Paarl
082 658 1250

Jannie Bruwer

Area Manager: Crop Protection
082 806 8715

André van Schalkwyk

Area Manager: Crop Protection
082 888 0166

Bennie Botes

Area Manager: Crop Protection
082 871 2318

Jean Pierre Joubert

Eastern Cape – 072 799 7013

Nicolize Stigaard

Area Sales Manager – 082 650 6660

MARKETING AND STRATEGY

Pieter Smit

Customer Marketing Lead: Africa
072 603 2483

Arthur Schröder

Strategy Manager:
Seed and Crop Protection Africa
082 388 0190

Jaco van Zyl

Portfolio Manager: DEKALB Africa
083 289 0212

Cobus Zandberg

Strategy Manager:
Seed and Crop protection South Africa
082 096 5416

Rohan Claassens

Strategy Manager:
Non-selective Herbicide (Roundup)
082 927 7028

MARKET DEVELOPMENT

Stephen Nel

Market Development: Africa
082 887 6696

Leonard Oberholzer

Market Development Lead: South Africa
082 773 0308

Fanie Friis

Stewardship Manager – Africa
083 449 8638

AGRONOMISTS

HIGHVELD

Jako Benadie – 082 096 2907

Andre Botes – 082 374 1647

Willie van der Merwe – 082 388 0650

KWAZULU-NATAL

Dennis Makuwa – 072 595 7080

NORTH WEST

Hanco de Klerk – 082 388 0236

Paul Groenewald – 084 200 2314

WESTERN FREE STATE

Wilhelm van Heerden – 082 095 8903

Tony Johnson – 082 390 5509

NORTHERN AND EASTERN CAPE

Anton Swanepoel – 082 821 6832

EASTERN FREE STATE

Kevin Nel – 079 890 2125

Hentie Minnaar – 072 655 5454

CLIMATE FIELDVIEW

Jaco van Zyl

Strategy Manager:
South Africa
060 966 4255

Hugo le Roux

Field Product Specialist:
West & Central
082 768 5166

Jurgen Putz

Field Product Specialist:
East & Central
084 626 8891

Hanri de Jonge

Customer Success Specialist
082 563 6296



Calendar 2021



Health for all,
Hunger for none



Your pride
our passion

YOUR FAMILY



YOUR FARM



YOUR DREAM

2021

Focus: Seed requirements

- Choosing the best hybrid for a combination of environmental factors is essential for reaching desired yield results. Choose hybrids that perform well over multiple locations and seasons in your region.
- Planting density recommendations differ per hybrid to reach optimum yield. Talk to your **Bayer** representative to learn more.
- Utilise the history captured on your **Climate Fieldview™** account and see what worked in the past to help you plan better for the future.

28	21	22	23	24	25	26	27
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Love what you do this Valentine's month by making smart seed and hybrid choices.

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FEBRUARY 20

sun mon tue wed thu fri sat



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01 JANUARY

sun mon tue wed thu fri sat

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Finishing strong begins at the starting line ... make **Bayer** your partner in everything agriculture this year.

Focus: Pollination

- Warm and dry weather conditions can lead to poor pollination.
- Did you know moisture shortages during pollination can decrease yield with as much as 7% per day?
- Avoid using glyphosate products on crops during the pollination phase to maximise quality and yield.
- Use **Climate Fieldview™** to find out what's happening beyond the end rows with imagery that can help identify issues early and prioritise scouting.

2021

Farmers' Days
are here!
We look forward to
seeing you there!

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APRIL



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Health for all,



Focus: Fun and useful facts

- Planting a refuge area with your **YieldGard® MAIZE 2** protects the technology.
- Biotechnology can help farmers to maximise their yield and minimise the impact of insects and weeds.
- The development of maize in the vegetative phase is described by the number of leaves with visible collar. Maximise this development with **DEKALB's** range of quality hybrids.
- Your crop is at physiological maturity if you can see the black layer on the kernel.
- With **Climate Fieldview™ Plus** you can see your equipment in real time, from anywhere in the world. You can also see the potential of every planting layer.

- Your crop is at physiological maturity if you can see the black layer on the kernel.
- With **Climate Fieldview™ Plus** you can see your equipment in real time, from anywhere in the world. You can also see the potential of every planting layer.

12021

Focus: Harvesting

equipment during harvesting in real time from anywhere in the world?

of earlier hybrids as they usually have less yield potential on dry land.

Time of harvest depends on the maturity group of the hybrid. Be careful

face high drying costs.

If grain maize is harvested too early, maize growers might have to

– this influences the timing of harvests, which influence the quality of yield.

Maize maturity is influenced by temperature and water disposability

between 32% to 35% but ranges from 28% to 38%.

For silage, the optimal whole plant dry content is said to be somewhere

harvest.

planting to

solutions, from

agricultural

for 360-degree

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Let's Talk ...



ENNR 90

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05 MAY

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Make the most of every hectare with our products, platforms and services.

Focus: Yield verification

- Use **Climate Fieldview™** to analyse and monitor crop development and health. Crop estimates and yield verification is an opportunity to identify risks and rewards for the coming season.
- Grain yield is determined by the number of kernels per ear x the kernel weight x the number of ears per ha.
- Silage yield is determined by multiplying plant weight with plants per hectare.
- Evaluating maize ears is a good indicator of shortcomings in terms of nutrition.
- Crop Performance Analysis helps you to evaluate the impact of agronomic decisions on yield this season, so you can maximise profitability in the next season.

2021

2021

Focus: Storage of seed

Here are a few rules of thumb for storing seed safely:

- Harrington's rule stipulates that humidity and temperature have an enormous impact on seed's potential – these two factors should be closely monitored.
- Seed must not be stored in direct sunlight.
- Store seed and crop protection products separately.
- Did you know that with **Climate Fieldview™** you can upload your data into a “data inbox” to activate the analysis of your data for the next planning stage and help with decision making?

Safely storing your seed is an important aspect of seeding your success this season.

07 JULY									
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Applying safe seed storage principles today, means better quality seed tomorrow.

08 AUGUST									
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Focus: Grain storage

Always apply effective grain storage management practices to ensure outstanding grain quality:

- **Aeration management:** Temperature within the bin should be within a range of 15-20 degrees of the monthly average temperature.
- **Observation management:** During spring and fall - when temperatures change quickly – a weekly bin control (smells, hotspots) is necessary.
- **Insect control:** Bins should be cleaned inside and outside, and an insecticide should be applied to the surfaces.
- Separate older grain from new grain. Control for leakages should be put in place.
- Utilise reports from your **Climate Fieldview™** account to support you in decision making for the upcoming summer planting season.

2021

2021

Focus: Identification of soil problems

- Root development is a good indication of what is happening in your soil.
 - Physical and chemical characteristics of the soil can affect root development.
 - Soil and yield maps must be interpreted together during decision-making.
 - Different soil types have different cultivation requirements.
- GET YOUR DATA IN ONE PLACE** - Data Visualization Watch field maps build in

Climate Fieldview™.

Let's get down
to the root
of identifying
problems in
your soil!

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09 SEPTEMBER

sun / mon / tue / wed / thu / fri / sat



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To end this planting season strong, you have to start strong. Give your soil the treatment it deserves.

Focus: Fertilisation

Did you know that yield reduction occurs when:

- The concentration of nutrients is too low.
- Nutrients are located below a density layer.
- Mobility of the nutrients are too low.
- Utilise **Climate Fieldview™** this season to help you manage your records, plan ahead, make decisions based on your historic data and improve overall efficiency of your farming operations.

2021



01 JANUARY

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Achieve new heights
in agriculture this year
... take hands with the
company that backs
you, so that you can
back the nation.

Focus: Some interesting facts to start off the year ...

- Cold nights and warm days can influence the synchronisation of silks and tassels.
- Hail during pollination can cause up to 100% yield loss.
- **PRIORITISE SCOUTING ACTIVITIES** with **Climate Fieldview™**.
Use vegetation maps that feature advanced colour mapping to understand the level of crop growth across your operation and prioritise which fields to scout first.

2022