

# SUMMER CROP GUIDE

**Grain Sorghum**

**Field Corn**

**Summer Forage**



# Delivering summer crop solutions that thrive in Australian growing conditions.

During the summer months grain production, filling the feed gaps, maximising weight gain and maximising milk production are the priorities of many growers across Australia. Pacific Seeds products have been developed to assist farmers to achieve these goals and help them to maximise their productivity throughout the season.

We have undertaken extensive research and development in both dryland and irrigated production environments and work with local growers and national industry bodies to solve the challenges facing crop performance.

Rigorous testing of hybrids provides us with the data, insights and experience to maximise crop results.

Talk to your local Pacific Seeds expert or trusted local distributor today.



Access the latest agronomy advice and support.



Pacific Seeds is committed to providing growers with the expertise and support required to ensure that their summer crops reach their full potential. Growers can access dedicated Pacific Seeds support resources including expert agronomists and researchers, technical guides, seed information and trial data results. Combined with local knowledge and experience, Pacific Seeds can provide you with trusted advice on:

- techniques to drive summer crop performance and productivity
- planting considerations
- optimising crop nutrition
- optimising plant population by hybrid
- row configurations and plant populations
- crop planning for changing climatic conditions

We continue to set the benchmark in hybrid grain sorghum development.

Our world-renowned breeding program is focused on delivering hybrids with superior, reliable yields combined with enhanced attributes such as grain size and stress tolerance.

The multi-environment testing program ensures hybrids are rigorously tested and proven prior to commercialisation.

# GRAIN SORGHUM





# MR-BAZLEY

**Medium-quick maturity grain sorghum**



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent

## HYBRID ATTRIBUTES

MR-Bazley is a medium-quick maturity grain sorghum which provides growers with reliability in all situations.

Market leading pre and post flowering stress tolerance and proven performance through harsh conditions has established this variety's reputation as the only choice for tougher environments.

This hybrid is also suited to limited irrigation and performs well when planted on wider row configurations under dryland conditions. Excellent standability and a high level of tillering when situations allow add to dependability.

An excellent option for dryland environments and double cropping scenarios, growers looking for a reliable performer will not be disappointed in MR-Bazley.

### Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 70-75 |
| Summer      | 65-70 |
| Central QLD | 55-60 |

### Agronomic rating

|                                 |         |
|---------------------------------|---------|
| Midge test rating               | 4       |
| Seedling vigour                 | 7.5     |
| Seedling cold tolerance         | 8       |
| Tillering                       | 7       |
| Standability                    | 8       |
| Grain size                      | 8.5     |
| Grain colour                    | Red     |
| Pollen production               | 7       |
| Pre-flowering stress tolerance  | 8       |
| Post-flowering stress tolerance | 8       |
| Irrigation                      | Limited |
| Wide rows                       | Yes     |

# MR-TAURUS

Medium-quick maturity grain sorghum



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent



## Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 70-74 |
| Summer      | 66-69 |
| Central QLD | 55-58 |

## Agronomic rating

|                                 |            |
|---------------------------------|------------|
| Midge test rating               | 6          |
| Seedling vigour                 | 7.5        |
| Seedling cold tolerance         | 8          |
| Tillering                       | 6          |
| Standability                    | 8          |
| Grain size                      | 9          |
| Grain colour                    | Bright red |
| Pollen production               | 7          |
| Pre-flowering stress tolerance  | 8          |
| Post-flowering stress tolerance | 8          |
| Irrigation                      | Yes        |
| Wide rows                       | Yes        |

## HYBRID ATTRIBUTES

MR-Taurus offers growers industry leading yield potential for its medium-quick maturity while solid stress tolerance helps to protect yield under tougher conditions.

This hybrid produces a large, bright red grain which assists in achieving quality requirements.

MR-Taurus is classified as having a medium tillering habit allowing it to compensate and make the most of favourable conditions.

The ideal choice for limited irrigation situations while also highly suitable to wider row configurations under dryland conditions, MR-Taurus is the perfect all-rounder and will perform well in all growing regions.



# MR-BUSTER

Medium maturity grain sorghum



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent

## HYBRID ATTRIBUTES

MR-Buster is a medium maturity grain sorghum and is firmly established as Australia's benchmark sorghum hybrid.

Offering growers outstanding consistency and reliability across all sorghum growing regions and environments MR-Buster has all bases covered.

This hybrid is suitable for dryland as well as irrigated situations and is proven on both narrow and wider row configurations.

A moderate to high level of tillering and great standability only add to its highly regarded reputation.

A proven performer which delivers consistently, MR-Buster is the ideal choice for all situations.

### Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 73-77 |
| Summer      | 69-72 |
| Central QLD | 57-60 |

### Agronomic rating

|                                 |     |
|---------------------------------|-----|
| Midge test rating               | 4   |
| Seedling vigour                 | 7   |
| Seedling cold tolerance         | 7   |
| Tillering                       | 7   |
| Standability                    | 7.5 |
| Grain size                      | 8   |
| Grain colour                    | Red |
| Pollen production               | 7   |
| Pre-flowering stress tolerance  | 6   |
| Post-flowering stress tolerance | 7   |
| Irrigation                      | Yes |
| Wide rows                       | Yes |

# ACCLAIM

Medium maturity grain sorghum



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent



## Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 73-77 |
| Summer      | 69-72 |
| Central QLD | 57-60 |

## Agronomic rating

|                                 |     |
|---------------------------------|-----|
| Midge test rating               | 7   |
| Seedling vigour                 | 8   |
| Seedling cold tolerance         | 8   |
| Tillering                       | 7   |
| Standability                    | 8   |
| Grain size                      | 8   |
| Grain colour                    | Red |
| Pollen production               | 7   |
| Pre-flowering stress tolerance  | 8   |
| Post-flowering stress tolerance | 8   |
| Irrigation                      | Yes |
| Wide rows                       | Yes |
| Imidazolinone Tolerance         | No  |

## HYBRID ATTRIBUTES

Acclaim is a medium maturity grain sorghum hybrid providing Australian sorghum growers with even greater choice in this popular maturity segment.

Through the combination of first-class pre- and post-flowering stress tolerance as well as large grain size, Acclaim offers producers with reliability across dryland and irrigated scenarios in all of Australia's sorghum growing regions.

Acclaim's semi-open head type and medium plant height assist with ease of harvest.

It's ability to tiller also provides flexibility to take advantage of good conditions and boost yield potential as circumstances allow.

For those looking for something new to try this season, look no further than Acclaim.

# RESOLUTE

Medium-Long maturity grain sorghum hybrid



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent

## HYBRID ATTRIBUTES

Resolute is a medium-long season grain sorghum hybrid providing sorghum producers with a reliable option for both early and late planting opportunities.

Strong pre- and post-flowering stress tolerance allows Resolute to weather the toughest of conditions, rewarding growers with high yields and excellent grain quality across environments.

A leading midge rating of 8+ and solid level of pollen production provide good defence against sorghum midge and ergot.

Resolute is widely adapted and will suit both dryland and irrigated cropping scenarios throughout Australia's sorghum growing regions.

For reliability and leading yield potential across environments, look no further than Resolute.

### Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 75-80 |
| Summer      | 70-75 |
| Central QLD | 60-63 |

### Agronomic rating

|                                 |     |
|---------------------------------|-----|
| Midge test rating               | 8+  |
| Seedling vigour                 | 8   |
| Seedling cold tolerance         | 8   |
| Tillering                       | 6   |
| Standability                    | 7.5 |
| Grain size                      | 9   |
| Grain colour                    | Red |
| Pollen production               | 8   |
| Pre-flowering stress tolerance  | 8   |
| Post-flowering stress tolerance | 8   |
| Irrigation                      | Yes |
| Wide rows                       | Yes |



# HALIFAX

Long maturity grain sorghum hybrid



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent

## Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 77-82 |
| Summer      | 72-78 |
| Central QLD | 60-66 |

## Agronomic rating

|                                 |     |
|---------------------------------|-----|
| Midge test rating               | 7   |
| Seedling vigour                 | 8   |
| Seedling cold tolerance         | 8   |
| Tillering                       | 6   |
| Standability                    | 8   |
| Grain size                      | 9   |
| Grain colour                    | Red |
| Pollen production               | 8   |
| Pre-flowering stress tolerance  | 8   |
| Post-flowering stress tolerance | 8   |
| Irrigation                      | Yes |
| Wide rows                       | Yes |

## HYBRID ATTRIBUTES

Halifax is a long season grain sorghum hybrid offering growers an ideal planting companion to quicker maturing products and spreading the risk when it comes to environmental risks such as heat and drought.

Excellent grain size and yield potential delivered via strong pre- and post-flowering stress tolerance assist in maximising yield potential.

Halifax is suited to both dryland and irrigated cropping scenarios in all key sorghum growing environments and its moderate tillering ability provides flexibility to take advantage of good conditions as they occur.

If you're looking at options to spread the risk this summer, make sure you include Halifax in your plans.

# STERLING

Medium-quick maturity grain sorghum hybrid



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent

## HYBRID ATTRIBUTES

- 5% improvement in yield over market leading hybrid MR Taurus
- High level of stability across environments
- Suitable for yields 2.5-11 t/ha
- Sterling combines the reliability of the medium-quick maturity segment, with the top yield potential of longer maturity hybrids
- Perfect for supplementary irrigation
- High level of midge resistance and good leaf disease resistance makes it suitable for early and late plantings

### Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 70-74 |
| Summer      | 66-69 |
| Central QLD | 55-58 |

### Agronomic rating

|                                 |     |
|---------------------------------|-----|
| Midge test rating               | 6   |
| Seedling vigour                 | 8   |
| Seedling cold tolerance         | 8   |
| Tillering                       | 6   |
| Standability                    | 8   |
| Grain size                      | 9   |
| Grain colour                    | Red |
| Pollen production               | 8   |
| Pre-flowering stress tolerance  | 8   |
| Post-flowering stress tolerance | 8   |
| Irrigation                      | Yes |
| Wide rows                       | Yes |





# SENTINEL IG

Medium-long maturity, igrowth® grain sorghum hybrid



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent



The Sentinel IG technote should be read in conjunction with the Pacific Seeds igrowth® Technology User Guide.

To access the Guide, scan this QR Code or visit the website [pacificseeds.com.au](http://pacificseeds.com.au)



SCAN ME

## Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 74-78 |
| Summer      | 70-73 |
| Central QLD | 59-62 |

## Agronomic rating

|                                 |           |
|---------------------------------|-----------|
| Midge test rating               | 5         |
| Seedling vigour                 | 8         |
| Seedling cold tolerance         | 8         |
| Tillering                       | 8         |
| Standability                    | 7         |
| Height                          | Tall      |
| Grain size                      | 8         |
| Grain colour                    | Red       |
| Pollen production               | 8         |
| Head type                       | Semi-open |
| Pre-flowering stress tolerance  | 8         |
| Post-flowering stress tolerance | 8         |
| Irrigation                      | Yes       |
| Wide rows                       | Yes       |
| Adaptation zones                | All       |
| Imidazolinone tolerance         | Yes       |

## HYBRID ATTRIBUTES

Sentinel IG is a medium-long maturity grain sorghum hybrid combining high yield potential with Advanta's proprietary igrowth® technology.

Developed in Australia using Pacific Seeds' elite grain sorghum genetics, Sentinel IG is suitable for all growing environments.

The addition of Advanta's igrowth® technology delivers the option for an in-crop application of registered herbicides from the Imidazolinone family or the ability to plant into soil residues from previous IMI tolerant winter crops. This provides growers with flexibility in cropping rotation, useful control of a number of common summer grass weeds and assists with improving integrated weed management programs.

igrowth® is a registered trademark of Advanta Seeds.

# VIPER IG

Quick maturity, igrowth® grain sorghum hybrid



The Viper IG technote should be read in conjunction with the Pacific Seeds igrowth® Technology User Guide.

To access the Guide, scan this QR Code or visit the website [pacificseeds.com.au](http://pacificseeds.com.au)



KEY: Rating Scale 1 - 9  
1 - Poor  
9 - Excellent

## HYBRID ATTRIBUTES

Viper IG is a quick maturity grain sorghum hybrid, establishing a new and unique maturity option for Australian sorghum growers.

Combining excellent pre and post flowering stress tolerance with unrivalled speed, Viper IG is ideal for dryland, limited soil water cropping scenarios and as a late sorghum option.

The addition of Advanta's igrowth® technology delivers the option for an in-crop application of registered herbicides from the Imidazolinone family or the ability to plant into soil residues from previous IMI tolerant winter crops. This provides growers with flexibility in cropping rotation, useful control of a number of common summer grass weeds and assists with improving integrated weed management programs.

igrowth® is a registered trademark of Advanta Seeds.

### Days to 50% flower

|             |       |
|-------------|-------|
| Spring      | 68-72 |
| Summer      | 62-67 |
| Central QLD | 52-55 |

### Agronomic rating

|                                 |           |
|---------------------------------|-----------|
| Midge test rating               | 4         |
| Seedling vigour                 | 8         |
| Seedling cold tolerance         | 8         |
| Tillering                       | 5         |
| Standability                    | 8.5       |
| Height                          | Short     |
| Grain size                      | 8         |
| Grain colour                    | Red       |
| Pollen production               | 7         |
| Head type                       | Semi-open |
| Pre-flowering stress tolerance  | 9         |
| Post-flowering stress tolerance | 8         |
| Irrigation                      | No        |
| Wide rows                       | Yes       |
| Adaptation zones                | All       |
| Imidazolinone tolerance         | Yes       |





# LODGING PROJECT

## Pre-breeding co-investment to tackle sorghum lodging.

A new \$11.6 million, five-and-a-half-year joint investment is aiming to address lodging in sorghum.

The project is a joint initiative between the Grains Research and Development Corporation (GRDC), Advanta Seeds, the University of Queensland (UQ) and the Queensland Department of Agriculture and Fisheries (DAF).

The pre-breeding research seeks to provide commercial sorghum breeders with the tools and germplasm to rapidly deploy pre-breeding outputs to growers, fast-tracking the path to market.

Advanta Seeds Australia Managing Director Andrew Short said Advanta Seeds was focused on continual improvements to crop performance and grower profitability.

"The business is a significant player in the global sorghum market and at a local, Australian level we have a long, proud history of developing locally adapted, leading sorghum hybrids under the Pacific Seeds brand," Mr Short said.

"This investment demonstrates our further commitment to Australia's sorghum industry and ensuring it continues to prosper long into the future."

While Advanta Seeds has an embargo on releasing results as part of the partnership, all traits will be publicly released (unless all discoveries come exclusively from Advanta germplasm).

Sorghum is the fifth-largest grain globally in terms of volume. As a nation, Australia produced roughly 20 per cent of the volume produced by the USA (the largest producer), making us a significant player on the global stage.

Pacific Seeds' field corn hybrids are selected for their outstanding yield and agronomic performance.

Our hybrid development program is focused on superior yields, disease tolerance and agronomic characteristics across all Australian corn-growing regions.

Our continuing focus on providing dual-purpose hybrids aims to give corn growers greater flexibility with their marketing options.

# FIELD CORN



**NEW**

# PAC 343

**100 CRM**

## HYBRID ATTRIBUTES

- Key maturity in southern region
- Outstanding grain yield for maturity
- Dual purpose (grain / high quality silage)
- Broad adaptation across southern growing regions



SILAGE



GRAIN

### YIELD TRAITS



### PLANT TRAITS



### DISEASE TRAITS



# PAC 440

108 CRM

## HYBRID ATTRIBUTES

- Outstanding grain yield for quicker maturity
- Dual purpose corn (grain/high quality silage)
- Soft starchy grain
- Broad adaptation across inland environments



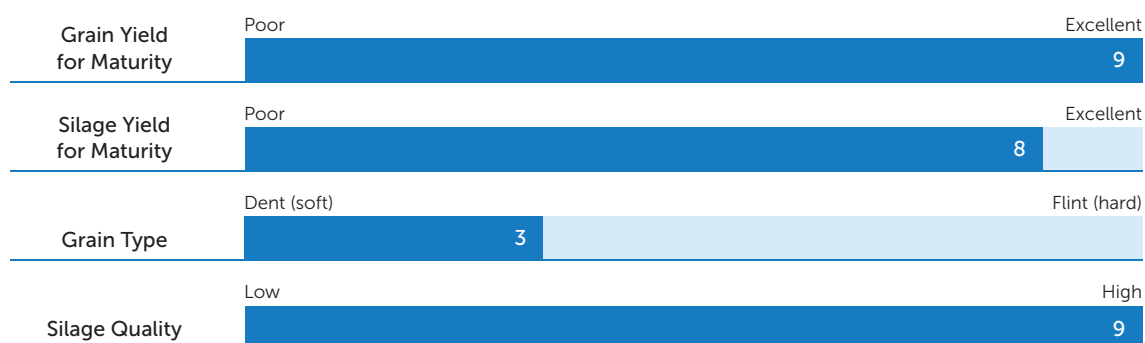
SILAGE



GRAIN



### YIELD TRAITS



### PLANT TRAITS



### DISEASE TRAITS





# PAC 606IT

114 CRM



## HYBRID ATTRIBUTES



SILAGE



GRAIN

- Dual purpose corn (grain/silage)
- Excellent stress tolerance
- Very good disease tolerance package
- Imidazolinone tolerance (IT) for in-crop weed control

### YIELD TRAITS



### PLANT TRAITS



### DISEASE TRAITS



# PAC 627

114 CRM

## HYBRID ATTRIBUTES

- Broad adaptation across inland & coastal environments
- Dual purpose corn (grain/high quality silage)
- Excellent grain yield potential
- Good disease tolerance package



SILAGE



GRAIN



### YIELD TRAITS



### PLANT TRAITS



### DISEASE TRAITS





# PAC 629IT

116 CRM



## HYBRID ATTRIBUTES



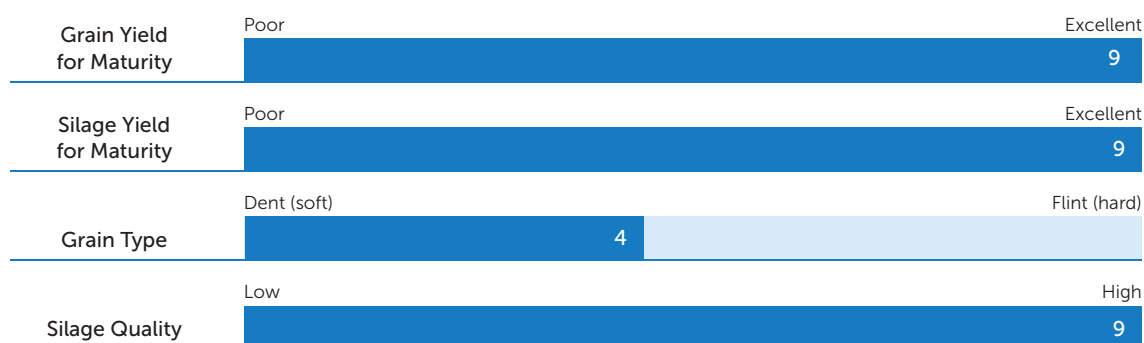
SILAGE



GRAIN

- Broad adaptation through inland environments
- 1st choice silage product
- Tall robust plant type
- Large girthy ears with soft starchy grain
- Imidazolinone tolerance (IT) for in-crop weed control

### YIELD TRAITS



### PLANT TRAITS



### DISEASE TRAITS



# PAC 624

118 CRM

## HYBRID ATTRIBUTES

- Attractive, robust stature
- Leading and proven silage performer
- Large girthy ears
- Soft starchy grain



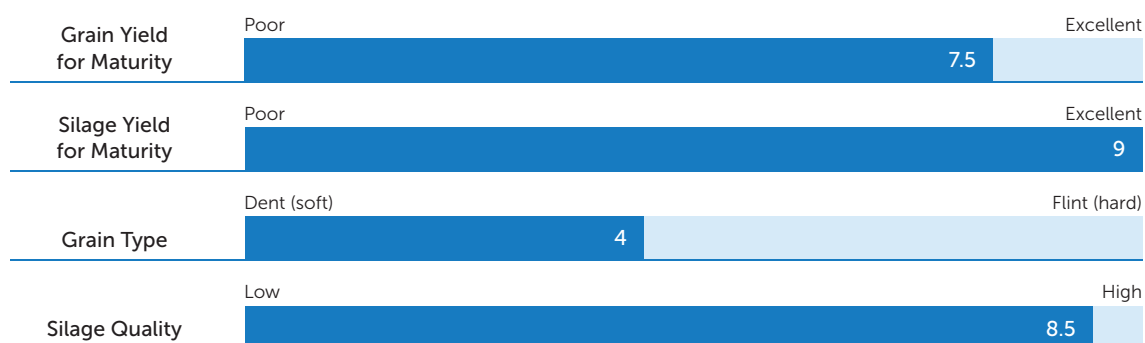
SILAGE



GRAIN



### YIELD TRAITS



### PLANT TRAITS



### DISEASE TRAITS






## NOTES

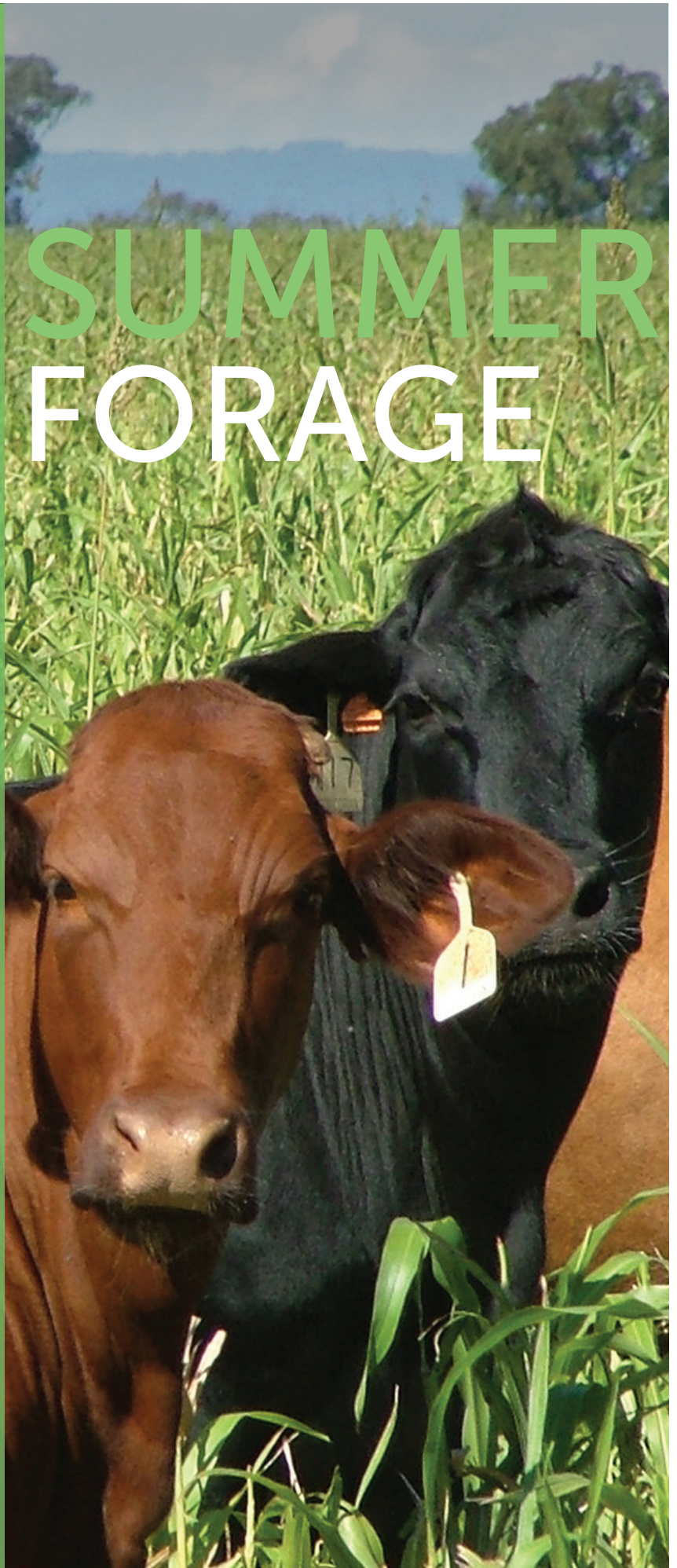
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Whether it's for grazing, hay or silage production, we offer a versatile range of summer forage products.

The hybrids we create through our summer forage breeding program maximise productivity and increase feed quality across a range of livestock industries.

These are released if they're proven, through  rigorous research, to have an advantage over existing commercial varieties.

# SUMMER FORAGE





# BMR OCTANE



KEY: Suitability Rating Scale  
1 - Poor – 5 - Excellent

## HYBRID ATTRIBUTES

**BMR Octane is a proven sorghum x sudan forage hybrid. BMR Octane has been specifically bred and developed for Australia's tough conditions.**

It offers excellent digestibility and palatability through the BMR trait, coupled with strong seedling vigour and good standability. BMR Octane's late maturity provides exceptional adaptability for grazing or hay production.

- Enhanced digestibility and palatability
- High energy content
- Reduced lignin content
- Excellent milk production
- BMR advantage

## SOWING RATES & SOIL TEMPERATURE

|                                     |                 |
|-------------------------------------|-----------------|
| Soil temperature for sowing         | 16°C and rising |
| Marginal dryland (kg/ha)            | 3-5             |
| Favourable dryland (kg/ha)          | 5-10            |
| Irrigation or high rainfall (kg/ha) | 10-20           |

### Grazing

|               |   |
|---------------|---|
| - Dairy Cows  | 5 |
| - Weaners     | 5 |
| - Cows/Steers | 5 |
| - Sheep       | 3 |

|     |   |
|-----|---|
| Hay | 5 |
|-----|---|

|            |   |
|------------|---|
| Pit silage | 3 |
|------------|---|

|                   |   |
|-------------------|---|
| Round bale silage | 4 |
|-------------------|---|

|     |     |
|-----|-----|
| BMR | Yes |
|-----|-----|

|                  |      |
|------------------|------|
| Nematode Control | Poor |
|------------------|------|

|                   |            |
|-------------------|------------|
| Prussic Acid risk | Low/Medium |
|-------------------|------------|

## CHARACTERISTICS & RATINGS

- Late Maturity
- 90-100 days to mid-flower
- 30,000-35,000 seeds/kg

# SUGARGRAZE



KEY: Suitability Rating Scale  
1 - Poor – 5 - Excellent

|                   |        |
|-------------------|--------|
| Grazing           |        |
| - Dairy Cows      | 2      |
| - Weaners         | 2      |
| - Cows/Steers     | 4      |
| - Sheep           | 1      |
| Hay               | 2      |
| Pit silage        | 5      |
| Round bale silage | 2      |
|                   |        |
| BMR               | No     |
| Nematode Control  | Poor   |
| Prussic Acid risk | Medium |

## CHARACTERISTICS & RATINGS

- Medium - Late Maturity
- 90-105 days to mid-flower
- 30,000-35,000 seeds/kg



## HYBRID ATTRIBUTES

**Sugargraze is an easy to manage and versatile hybrid. Sugargraze has a proven track record as a sweet sorghum combining good productivity, excellent sugar levels and adaptability.**

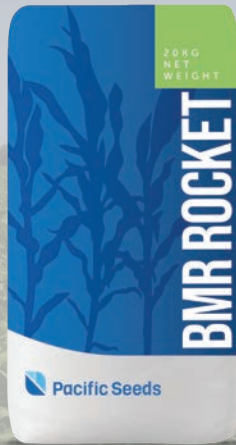
It is ideal for both early or late sowing as it can be utilised at any stage during summer, autumn, or early winter as required.

- Very high dry matter production
- Excellent sugar levels
- Ideal choice for pit silage
- Versatile and easy to manage
- Wide chopping window for quality silage

## SOWING RATES & SOIL TEMPERATURE

|                                     |                 |
|-------------------------------------|-----------------|
| Soil temperature for sowing         | 16°C and rising |
| Marginal dryland (kg/ha)            | 3-5             |
| Favourable dryland (kg/ha)          | 5-10            |
| Irrigation or high rainfall (kg/ha) | 10-20           |

# BMR ROCKET



KEY: Suitability Rating Scale  
1 - Poor – 5 - Excellent

## HYBRID ATTRIBUTES

**BMR Rocket is a fast-growing sorghum x sudan forage hybrid. BMR Rocket's growth, fine stem, prolific tillering and regrowth, plus the added benefit of BMR make this hybrid a great all rounder.**

BMR Rocket is well suited for making hay, round bale silage or for grazing with cattle or sheep.

- Quick feed
- Reduced lignin content
- Increased productivity across multiple end uses
- High energy levels
- BMR advantage

### Grazing

|               |   |
|---------------|---|
| - Dairy Cows  | 5 |
| - Weaners     | 5 |
| - Cows/Steers | 4 |
| - Sheep       | 5 |

|     |   |
|-----|---|
| Hay | 5 |
|-----|---|

|            |   |
|------------|---|
| Pit silage | 3 |
|------------|---|

|                   |   |
|-------------------|---|
| Round bale silage | 5 |
|-------------------|---|

|     |     |
|-----|-----|
| BMR | Yes |
|-----|-----|

|                  |      |
|------------------|------|
| Nematode Control | Poor |
|------------------|------|

|                   |            |
|-------------------|------------|
| Prussic Acid risk | Low/Medium |
|-------------------|------------|

## SOWING RATES & SOIL TEMPERATURE

|                                     |                 |
|-------------------------------------|-----------------|
| Soil temperature for sowing         | 16°C and rising |
| Marginal dryland (kg/ha)            | 3-5             |
| Favourable dryland (kg/ha)          | 5-10            |
| Irrigation or high rainfall (kg/ha) | 10-20           |

## CHARACTERISTICS & RATINGS

- Early Maturity
- 60-75 days to mid-flower
- 30,000-35,000 seeds/kg



# SPRINT



KEY: Suitability Rating Scale  
1 - Poor – 5 - Excellent

|                   |      |
|-------------------|------|
| Grazing           |      |
| - Dairy Cows      | 3    |
| - Weaners         | 5    |
| - Cows/Steers     | 3    |
| - Sheep           | 5    |
| Hay               | 5    |
| Pit silage        | 3    |
| Round bale silage | 4    |
| BMR               | No   |
| Nematode Control  | Poor |
| Prussic Acid risk | Low  |

## CHARACTERISTICS & RATINGS

- Early Maturity
- 60-75 days to mid-flower
- 49,000-67,000 seeds/kg



## HYBRID ATTRIBUTES

**Sprint is a fast growing, quick maturity sudan x sudan forage hybrid. Being a sudan type hybrid, prussic acid levels are generally lower than other forage sorghums.**

Sprint's fine stem, high tillering makes this hybrid well suited for grazing cattle or sheep along with hay production.

- High dry matter production
- Quick feed and regrowth
- Prolific tillering, fine stem
- Multiple cuts for hay production
- Very well suited for sheep and cattle

## SOWING RATES & SOIL TEMPERATURE

|                                     |                 |
|-------------------------------------|-----------------|
| Soil temperature for sowing         | 16°C and rising |
| Marginal dryland (kg/ha)            | 2-4             |
| Favourable dryland (kg/ha)          | 4-8             |
| Irrigation or high rainfall (kg/ha) | 8-20            |



# LAUNCH



KEY: Suitability Rating Scale  
1 - Poor – 5 - Excellent

## HYBRID ATTRIBUTES

Launch is a late flowering sudan hybrid with enhanced yield potential compared to Superdan 2. Being a sudan type forage, this hybrid generally has lower levels of prussic acid compared to other forage sorghums.

- Excellent early growth
- Suitable for both cattle and sheep grazing
- Fine-stemmed, ideal for hay production as finer stems result in a quicker dry down
- Excellent regrowth after cutting
- Late maturity provides exceptional adaptability and flexible management.

### Grazing

|               |   |
|---------------|---|
| - Dairy Cows  | 4 |
| - Weaners     | 4 |
| - Cows/Steers | 5 |
| - Sheep       | 4 |

|     |   |
|-----|---|
| Hay | 5 |
|-----|---|

|            |   |
|------------|---|
| Pit silage | 3 |
|------------|---|

|                   |   |
|-------------------|---|
| Round bale silage | 4 |
|-------------------|---|

|     |    |
|-----|----|
| BMR | No |
|-----|----|

|                  |      |
|------------------|------|
| Nematode Control | Good |
|------------------|------|

|                   |     |
|-------------------|-----|
| Prussic Acid risk | Low |
|-------------------|-----|

## SOWING RATES & SOIL TEMPERATURE

|                             |                 |
|-----------------------------|-----------------|
| Soil temperature for sowing | 16°C and rising |
|-----------------------------|-----------------|

|                          |     |
|--------------------------|-----|
| Marginal dryland (kg/ha) | 2-4 |
|--------------------------|-----|

|                            |     |
|----------------------------|-----|
| Favourable dryland (kg/ha) | 4-8 |
|----------------------------|-----|

|                                     |      |
|-------------------------------------|------|
| Irrigation or high rainfall (kg/ha) | 8-20 |
|-------------------------------------|------|

## CHARACTERISTICS & RATINGS

- Medium - Late Maturity
- 95-100 days to mid-flower
- 49,000-67,000 seeds/kg

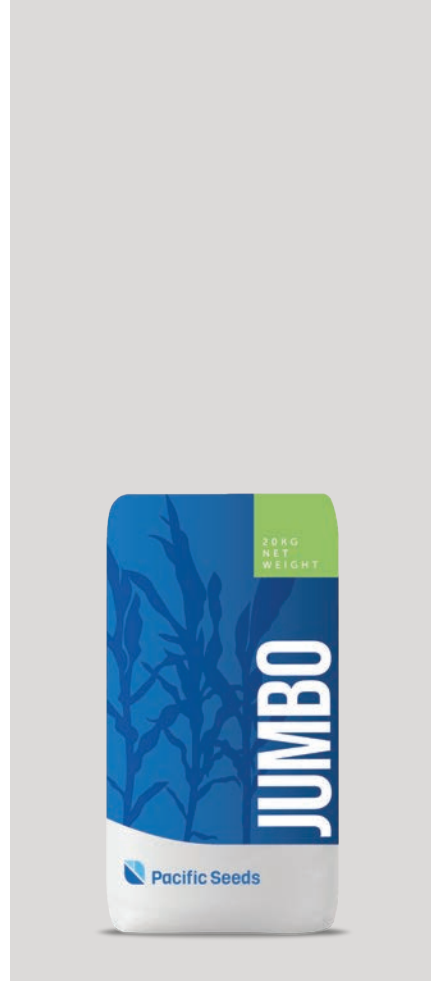
# JUMBO

KEY: Suitability Rating Scale  
1 - Poor – 5 - Excellent

|                   |           |
|-------------------|-----------|
| Grazing           |           |
| - Dairy Cows      | 3         |
| - Weaners         | 3         |
| - Cows/Steers     | 4         |
| - Sheep           | 2         |
| Hay               | 4         |
| Pit silage        | 3         |
| Round bale silage | 3         |
|                   |           |
| BMR               | No        |
| Nematode Control  | Excellent |
| Prussic Acid risk | Medium    |

## CHARACTERISTICS & RATINGS

- Ultra Late Maturity
- Will not flower until daylight drops below approx. 12hr 30min
- 30,000 - 35,000 seeds/kg



## HYBRID ATTRIBUTES

Jumbo is an ultra-late flowering sorghum x sudan forage hybrid. Jumbo combines good productivity with ease of management, resulting in more useable feed and less wastage. Ideally suited for all grazing situations, hay, or green chop.

- Highly digestible
- Widely adaptable due to the ultra-late flowering nature
- High leaf to stem ratio
- Suppression of root-knot nematodes
- Excellent quality hay

## SOWING RATES & SOIL TEMPERATURE

|                                     |                 |
|-------------------------------------|-----------------|
| Soil temperature for sowing         | 16°C and rising |
| Marginal dryland (kg/ha)            | 3-5             |
| Favourable dryland (kg/ha)          | 5-10            |
| Irrigation or high rainfall (kg/ha) | 10-20           |



# Tools

## Seed Analysis Certificate

You can now access your seed quality information and seed analysis certificate through the Pacific Seeds website or by scanning the QR code on your seed bag. Customer data will be recorded for tracing purposes in the unlikely event of a product recall.

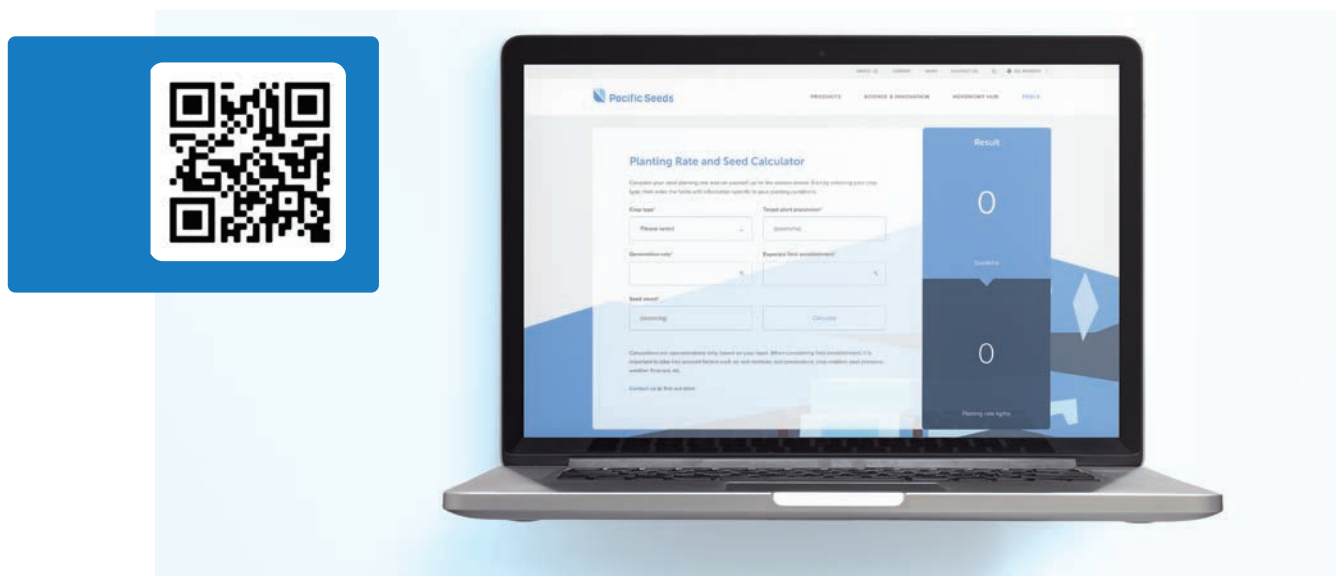
For more information and full instructions visit [www.pacificseeds.com.au/seed-quality](http://www.pacificseeds.com.au/seed-quality).



## Planting Rate and Seed Calculator

Calculate your ideal planting rate and set yourself up for the season ahead.

Visit [www.pacificseeds.com.au/seed-calculator](http://www.pacificseeds.com.au/seed-calculator) for more information and full instructions.



# Grain Sorghum Hybrids

NEW

| Days to 50% flower              | MR-BAZLEY | MR-TAURUS  | MR-BUSTER | ACCLAIM | RESOLUTE | HALIFAX | STERLING | VIPER IG | SENTINEL IG |
|---------------------------------|-----------|------------|-----------|---------|----------|---------|----------|----------|-------------|
| Spring                          | 70-75     | 70-74      | 73-77     | 73-77   | 75-80    | 77-82   | 70-74    | 68-72    | 74-78       |
| Summer                          | 65-70     | 66-69      | 69-72     | 69-72   | 70-75    | 72-78   | 66-69    | 62-67    | 70-73       |
| Central QLD                     | 55-60     | 55-58      | 57-60     | 57-60   | 60-63    | 60-66   | 55-58    | 52-55    | 59-62       |
| <b>Traits</b>                   |           |            |           |         |          |         |          |          |             |
| Midge test rating               | 4         | 6          | 4         | 7       | 8+       | 7       | 6        | 4        | 5           |
| Seedling vigour                 | 7.5       | 7.5        | 7         | 8       | 8        | 8       | 8        | 8        | 8           |
| Seedling cold tolerance         | 8         | 8          | 7         | 8       | 8        | 8       | 8        | 8        | 8           |
| Tillering                       | 7         | 6          | 7         | 7       | 6        | 6       | 6        | 5        | 8           |
| Standability                    | 8         | 8          | 7.5       | 8       | 7.5      | 8       | 8        | 8.5      | 7           |
| Grain size                      | 8.5       | 9          | 8         | 8       | 9        | 9       | 9        | 8        | 8           |
| Grain colour                    | Red       | Bright Red | Red       | Red     | Red      | Red     | Red      | Red      | Red         |
| Pollen production               | 7         | 7          | 7         | 7       | 8        | 8       | 8        | 7        | 8           |
| Pre-flowering stress tolerance  | 8         | 8          | 6         | 8       | 8        | 8       | 8        | 9        | 8           |
| Post-flowering stress tolerance | 8         | 8          | 7         | 8       | 8        | 8       | 8        | 8        | 8           |
| Irrigation                      | Limited   | Yes        | Yes       | Yes     | Yes      | Yes     | Yes      | No       | Yes         |
| Wide rows                       | Yes       | Yes        | Yes       | Yes     | Yes      | Yes     | Yes      | Yes      | Yes         |

Rating scale: 1 Poor - 9 Excellent

## Field Corn

|  | PAC 343<br>100 CRM | PAC 440<br>108 CRM | PAC 606IT<br>114 CRM | PAC 627<br>114 CRM | PAC 629IT<br>116 CRM | PAC 624<br>118 CRM |
|--|--------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
| Maturity   |                    |                    |                      |                    |                      |                    |
| Grain yield for maturity<br>(1 Poor - 9 Excellent)     | 9                  | 9                  | 7.5                  | 9                  | 9                    | 7.5                |
| Silage yield for maturity<br>(1 Poor - 9 Excellent)    | 8                  | 8                  | 8                    | 7.5                | 9                    | 9                  |
| Grain type<br>(1 Dent - 9 Flint)                       | Semi-Dent (5)      | Dent (3)           | Semi-Dent (6)        | Semi-Dent (6)      | Dent (4)             | Dent (4)           |
| Silage quality<br>(1 Low - 9 High)                     | 9                  | 9                  | 8.5                  | 9                  | 9                    | 8.5                |
| Plant height<br>(1 Short - 9 Tall)                     | Tall (8)           | Med-Tall (7)       | Med (7)              | Med (7)            | Tall (9)             | Tall (9)           |
| Husk cover<br>(1 Open - 9 Closed)                      | Closed (8)         | Closed (8)         | Closed (9)           | Adequate (6)       | Closed (8)           | Closed (8)         |
| Dryland suitability<br>(1 Not - 9 Highly)              | 7.5                | 7                  | 9                    | 7                  | 7                    | 7                  |
| <b>DISEASE TRAITS</b><br>(1 Susceptible - 9 Resistant) |                    |                    |                      |                    |                      |                    |
| Northern Leaf Blight                                   | 6                  | 7                  | 9                    | 7                  | 7                    | 7                  |
| Stalk rots   | 8                  | 8                  | 8                    | 8                  | 7                    | 7                  |
| Cob rots   | 7.5                | 7                  | 8                    | 7                  | 7                    | 7                  |

Rating Scale: 1 Poor - 9 Excellent

# Summer Forage

|                                     | BMR OCTANE      | BMR ROCKET      | SUGARGRAZE      | SPRINT          | NEW<br>LAUNCH   | JUMBO           |
|-------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Soil temperature for sowing         | 16°C and rising | 16°C and rising | 16°C and rising | 16°C and rising | 16°C and rising | 16°C and rising |
| Marginal dryland (kg/ha)            | 3-5             | 3-5             | 3-5             | 2-4             | 2-4             | 3-5             |
| Favourable dryland (kg/ha)          | 5-10            | 5-10            | 5-10            | 4-8             | 4-8             | 5-10            |
| Irrigation or high rainfall (kg/ha) | 10-20           | 10-20           | 10-20           | 8-20            | 8-20            | 10-20           |
| Maturity / Days to head             | Late            | Early           | Medium - Late   | Early           | Medium - Late   | Ultra - Late    |
| Grazing                             |                 |                 |                 |                 |                 |                 |
| - Dairy cows                        | 5               | 5               | 2               | 3               | 4               | 3               |
| - Weaners                           | 5               | 5               | 2               | 5               | 4               | 3               |
| - Cows/Steers                       | 5               | 4               | 4               | 2               | 5               | 4               |
| - Sheep                             | 3               | 5               | 1               | 5               | 4               | 2               |
| Hay                                 | 5               | 5               | 2               | 5               | 5               | 4               |
| Pit silage                          | 3               | 3               | 5               | 3               | 3               | 3               |
| Round bale silage                   | 4               | 5               | 2               | 4               | 4               | 3               |
| BMR                                 | Yes             | Yes             | No              | No              | No              | No              |
| Nematode Control                    | Poor            | Poor            | Poor            | Poor            | Good            | Excellent       |
| Prussic Acid risk                   | Low/Medium      | Low/Medium      | Medium          | Low             | Low             | Medium          |

Rating scale: 1 - low suitability to 5 - high suitability



For current information on  
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at [pacificseeds.com.au](http://pacificseeds.com.au)

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