

GreenFeast®

GreenFeast® was developed following inquiries for a quick growing grazeable fodder, with the benefits of large maize yields, and improved feed quality, but without the need for specialized planting and harvesting equipment. Designed to be strip grazed or direct fed. It has been developed with simplicity in mind, making use of existing machinery and is designed to be extremely flexible in respect to ground preparation and sowing techniques.

Characteristics:

A special seed blend with cold tolerant, quick growing, and quality fodder characteristics; *GreenFeast®* is designed to compete with other forage crops but has several unique advantages. *GreenFeast®* is easily digestible, can be sown much earlier than forage sorghum or hybrid millet, it does not have the insect pest problems of brassica crops, such as diamond back moth. *GreenFeast®* can also be sown using a variety of methods using existing equipment. *GreenFeast®* has an extended 'ideal' harvest time to specifically suit strip grazing, while the crop is quick growing from planting to maturity. *GreenFeast®* will fit into a fodder production program by providing fodder to fill the feed gap before other summer crops are ready.

Customers:

GreenFeast® is targeted at farmers who typically grow various summer fodder crops including sorghum, rape, turnips, and oats for dairy and beef stock. *GreenFeast®* is designed to allow a farmer to calculate when a feed gap will occur, and plant *GreenFeast®* 8-11 weeks prior, to fill the gap.

Advantages of growing GreenFeast® include:

- Early planting and easy sowing – a minimum 12°C (soil).
- No specialized equipment required (Existing equipment).
- Very Quick emergence and quick growth.
- Irrigation is not essential but would increase production.
- Ideal to fill summer feed gaps.

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| Plant Type: |
| Mixed CRM Silage or Grazing |
| Plant Height: |
| Mixed |
| Grain Type: |
| Mixed |
| General Comments: |
| Good grazing alternative Entry Level Maize product. |

- No known animal health problems (Prussic acid, bloat, photosensitisation or Nitrate poisoning).
- Easy to harvest by strip grazing or ensiling.
- Ideal as part of a short term pasture renovation program.
- Very high yield potential (better than Oats, turnips, millet).
- Few pest and insect problems (compared to other summer forages).
- Low labour
- Large, vigorous seed (Too large for ants to remove).
- High vigour seed out-competes most weeds.

Planting:

Spray knockdown herbicide prior to working or direct drilling. Seed needs good soil contact and reasonable soil moisture levels. This can be done with traditional soil cultivation or can be done by drilling or broadcasting and discing in. Due to the large cold tolerant seed, it can be sown up to 6 cm deep into reserved soil moisture. This can also reduce possible bird attack. Optimum results are achieved using precision planter.

| Use Pattern Sow Rate | DRYLAND | IRRIGATION |
|----------------------|-----------|------------|
| GRAZING | ~1.5 bags | ~3.0 bags |
| SILAGE | ~1.0 bags | ~2.0 bags |

GreenFeast®

Due to the very rapid growth of the crop and high sowing rates, it's unusual to require post-sowing herbicide, hence the crop can be left until ready to graze or cut.

Fertiliser:

GreenFeast® will use up to:

- 40 kg of P/ha.
- 200 kg of N/ha.
- 100 kg of K/ha.

An initial soil test prior to planting will allow the grower to adjust fertilizer applications. Up to 60% - 100% can be applied and incorporated prior to or at sowing. Ideally 40% is broadcast at the last time you enter the crop (Gets too tall).

Harvest:

GreenFeast® is selected for farmers who typically grow various summer fodder crops including sorghum, rape, turnips, and oats for dairy and beef stock. **GreenFeast®** is designed to allow a farmer to calculate when a feed gap will occur, and plant **GreenFeast®** 8-11 weeks before, to fill that gap. **GreenFeast®** can be grazed at any stage, however re-growth is poor, so it is best to delay harvest as long as possible to maximize yield. The longer you leave the crop the higher the yield and the better the quality. **GreenFeast®**

also has the option of being ensiled. Ideally when grazing, graze off when plants are 5-7 feet high, this gives the consumer access to increased protein levels, elevated ME values, highly digestible fodder with sufficient and effective fibre levels.

Quality x Timing (Average Expected Results):

| Maturity | 6 LEAF STAGE | FLOWERING | MATURITY |
|---------------|--------------|-----------|-----------|
| APPROX. TIME | ~35 days | ~80 days | ~115 days |
| DM YIELD T/HA | ~3 | ~11 | ~18 |
| ME | ~8 | ~9 | ~11 |
| PROTEIN | ~6 | ~7 | ~8 |

The information contained herein is intended as a guide only. Performance is influenced by many variables, including soil, moisture and climatic conditions, cultural and management practices. No liability will be accepted by HSR Seeds or its representatives for the accuracy/variability of this information.

PLANTING POPULATIONS

| Dryland below 600mm | Dryland above 600mm | Full Irrigation |
|---------------------------------|---------------------------------|----------------------------------|
| 30,000 TO 45,000 ESTABLISHED | 45,000 TO 80,000 ESTABLISHED | 80,000 TO 100,000 ESTABLISHED |

TRAIT SCORES

| | | | | | | |
|---------------------|-------------------|---------------|---------------|----------------|------------|------|
| 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| STRESS EMERGENCE | STALK STRENGTH | STAY GREEN | HUSK COVER | LEAF BLIGHT | COB ROT | RUST |