



CROP & FOOD TRIALS 2003/2004

FORAGE PEA

High Yield & High Quality

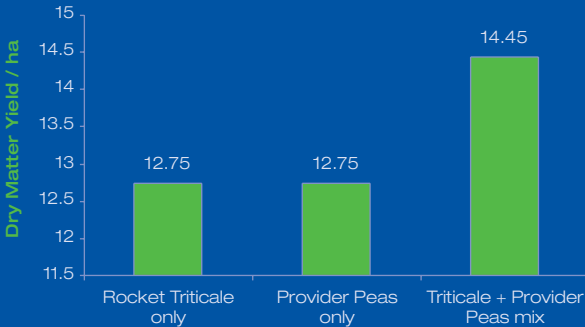
Provider™ has all the qualities you would expect in a forage pea, with yields of cereal and Provider™ mixes being greater than cereals alone, while at the same time increasing forage quality.

KEY FEATURES

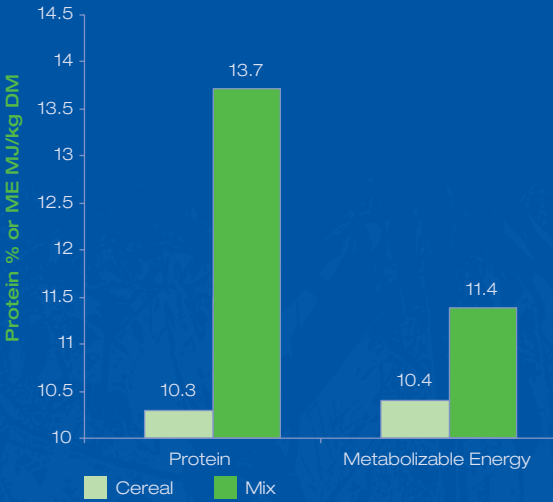
- Exceptional yields
- High quality forage
- Good cereal mixes for hay or silage
- Increases ME, protein, digestibility and sugars for high stock growth
- Good levels of resistance to common diseases
- Semi leafless pea that climbs the cereal and holds the crop erect for ease of harvesting



Rocket Triticale/Provider Pea Yields
(Mean from two Trials)



Protein and ME Increases with
Cereal/Pea mixtures



FIELD CHARACTERISTICS

Dry Matter Yield

Provider™ peas typically contribute 25-33% dry matter weight to a cereal and pea crop at harvest and have yielded up to 16 tonnes of dry matter per hectare when grown on their own.

Sowing Date

Sowing date can influence the pea contribution in a cereal mix. August sowing in cooler conditions will favour cereal growth, with September sowings tending to allow the peas to be more competitive.

Sowing

Cereal pea mix seed is supplied in the optimum proportions to produce the desired combination of yield and quality. Provider™ peas may be mixed with a variety of cereals. We recommend Rocket Triticale and Milton Oats or Stampede Oats.

Maturity

Provider™ peas mature to fit with cereals reaching the flat pods stage at a similar time to booting in cereals and full pod at the milky dough stage. (Trials sown at Lincoln 5th Aug 2003 reached flat pod on 26th Nov and full pod on 10th Dec).



QUALITY

All of the following factors lead to increased animal performance body condition, fertility and milk quality.

Protein

Adding Provider peas to a cereal will increase the protein value by up to 33%, this being greatest in low fertility situations.

Metabolizable Energy (ME)

Adding Provider™ peas to a cereal will increase the ME values by up to 10%.

Soluble Sugars and Starch (SSS)

Adding Provider™ peas to a cereal will increase the SSS values by up to 10%.

Digestibility

Adding Provider™ peas to a cereal will increase the digestibility values by up to 10%.

Neutral Detergent Fibre (NDF)

Fibre levels are reduced to the optimum 35-40% range from the 45-50% range.



HUSBANDRY NOTES

- Sow in a recommended mix at 200kg per ha.
- Drill with a light to moderate rate of Cropmaster 20. (Sow 4-5cm deep.)
- Most soil types are suitable but the paddock needs to be free-draining.
- Growth regulators will not be required.
- Weed control if required can be carried out using pea herbicides such as Pulsar.
- Fungicides are not generally required for the peas, but may be considered for the cereal.

For more information please contact your local seed retailer or



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PROVIDER FORAGE PEA



"I couldn't believe it –
my Provider™ Peas grew up over the fence!"
Clayton Yaxley, Springfield

Provider™ Peas increase the quality
of cereal silage while at the same
time producing more quality feed
than cereals alone.