

Field Characteristics

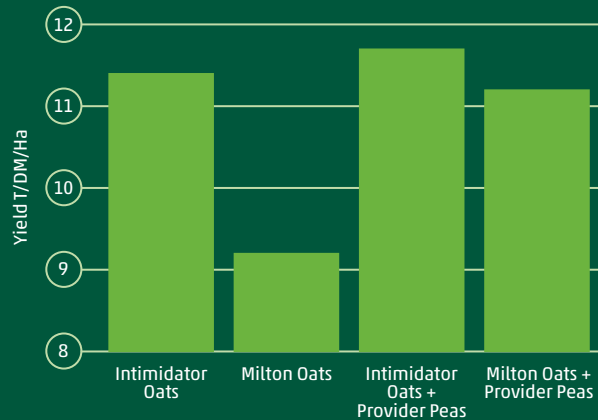
Sowing Information

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

For unsurpassed silage quality and quantity, soil pH needs to be above 5.8. Root nodulation is maximised at a higher pH resulting in a healthier plant with a greater potential for nitrogen fixation.

Luisetti Seeds supply pea and cereal mixes at the optimum proportions to produce the desired combination of yields and quality.

Graph 2. Oat and Provider Pea Forage Yields



Trial conducted by NZ Arable Ltd, Yaldhurst, Canterbury



Husbandry Notes

- Forage peas and cereals should be sown in a mix at 200 kg per hectare
- Drill with a light to moderate rate of Cropmaster 20
- Sow at 4-5cm deep
- Most soil types are suitable for forage mixtures but the paddock needs to be free draining
- Growth regulators are not required
- Weed control (if required) can be carried out using pea herbicides such as Pulsar or MCPB. Correct application time is important
- Fungicides are not generally required for the peas but may be considered for the cereal (only use fungicides that are registered for application over peas)

Additional Benefits

- Nitrogen fixation by peas enhances cereal growth and residues in the soil can be used by the following crop
- Improvements in soil structure
- Fast turnover from sowing to maturity
- Low input once established

For more information please contact:

LUISETTI

20 Ashley Street
PO Box 77, Rangiora
P: 03 313 7176
F: 03 313 7555
E: admin@luisettiseeds.co.nz

www.luisettiseeds.co.nz

Forage Pea Cereal Mixes

LUISETTI



→ Provider and Flex Peas increase the quality of cereal silage while at the same time producing higher yields than cereals alone.

Forage Pea Cereal Mixes



Forage Pea and Cereal Mixture

Forage peas can be used in a wide range of farming situations. Sown on their own, they have the ability to yield up to 18 tonnes of dry matter per hectare or partnered with a forage cereal they generate higher yields while improving silage quality. Provider or Flex peas typically contribute around 30% of dry matter to the crop at cutting.

Provider and Flex peas are unique in their ability to be grown in conjunction with cereals, enhancing yield and quality.

Provider peas are an earlier maturing forage pea variety that boosts the protein and energy components of the feed while providing yields greater than forage cereals alone. An outstanding partner for Provider are Intimidator forage oats, a medium maturing robust oat that produces large yields of palatable forage for baleage or silage.

Flex is a later maturing fully leafed forage pea variety that was developed from a winter/spring pea cross. The result is a variety that starts slowly, allowing the cereal to establish, and increasing its growth rate as the temperature increases through the season. Paired with Bolt triticale, a supreme forage mixture is created that is capable of achieving particularly high dry matter yields. Bolt is the latest in forage triticale technology and contains high grain energy while exceeding other triticale varieties in terms of yield. Bolt provides excellent resistance to rust and lodging.



Maturity

Provider peas have been matched with Intimidator oats and Flex peas with Bolt triticale. The optimum stage for harvesting green chop forage is when the cereal reaches milky dough stage and the pea has its lower pods filling and top pods flat.

By planting a pea and cereal that have their maturity synchronised, forage quality is maximised by not having one species harvested too early at the expense of the other.

As the peas mature to the flat pod stage, and when the cereal reaches the milky dough stage, optimum conditions for green chop forage have been reached. The result is a versatile solution for farmers needing high quality forage fast. Higher yielding whole crop silage can be captured as the cereal reaches the cheesy dough stage and the pea reaches full pod. At this stage Flex will still maintain its quality.



Key Features



Exceptional yields & high quality forage



Optimum mix for baleage or silage



Increase ME, protein, digestibility and sugars for optimum stock growth



Good levels of resistance to common diseases



Semi leafless peas that climb the cereal and hold the crop erect for ease of harvesting



Feed Quality

Protein: Forage peas have the ability to enhance the protein content of cereal silage by up to 33%.

Metabolisable Energy (ME): Adding peas to your forage cereal will increase the ME values by up to 10%.

Soluble Sugars and Starch (SSS): Taste and palatability of forages is determined by SSS. Adding Provider or Flex peas to your forage cereal will enhance the SSS by up to 10%.

Digestibility: This is a direct measure of how efficiently forage is digested and absorbed. Forage peas will boost digestibility of your cereal by up to 10% and reduce NDF values to the optimum range (35 – 40%).

Graph 1. Protein and ME Increases with Pea and Cereal Mixture

Typical Quality Improvements with Pea/Cereal Mixtures

