

# Ultrastrike<sup>®</sup> Pelleted Swede Guide



# Ultrastrike® pelleted swede seed

## INTRODUCTION

With a weighted build-up coating (pellet), Ultrastrike® pelleted swede seed can be sown using precision drills. Yield is maximised through the even distribution of seed, sown at the correct rate and depth, that allows bulbs to grow more consistently and be protected from sun exposure or being eaten by birds or pests.

For farmers with a focus on outcomes over inputs, Ultrastrike® pelleted swede is a fantastic way to increase yields as long as they're prepared to do the necessary paddock preparation and ongoing monitoring of the crop.

Ultrastrike® pelleted swede has an optimum sowing rate of 90,000 seeds/ha or 22 cm seed spacing in 50 cm rows. The size specification for pelleted swede seed is 3.25-4.00 mm.

### Key benefits:

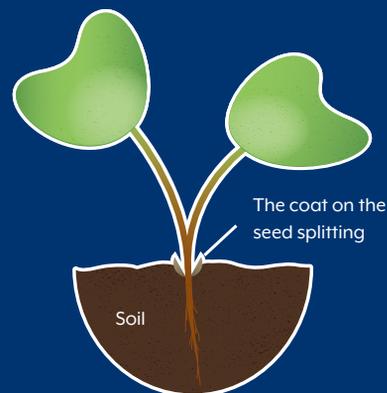
- Maximum bulb yield through evenly distributed sowing
- Highly cost effective outputs
- Easy to sow (one bucket/ha)
- Contains trace element molybdenum for enhanced growth



# Ultrastrike® pelleted swede seed

## GERMINATION

With the seeds' weighted build-up coating, oxygen and moisture from the soil penetrate the pellet, initiating germination. The pellet then splits open as the seed expands and begins to sprout. The pellet does not require any more soil moisture than a non-pelleted seed and is lightweight yet hardy enough to remain undamaged during transportation and sowing. The pellet does not persist in the soil as it breaks down completely over time.



## ULTRA STRIKE® PEST AND DISEASE PROTECTION

Ultrastrike® pelleted seed contains a systemic insecticide and two contact fungicides to provide broad-spectrum protection against key insects and diseases during plant establishment.

### Seedling diseases:

*Pythium, Fusarium, Rhizoctonia*

### Insect pests:

Springtails, Aphids, Argentine Stem Weevil and Nysius

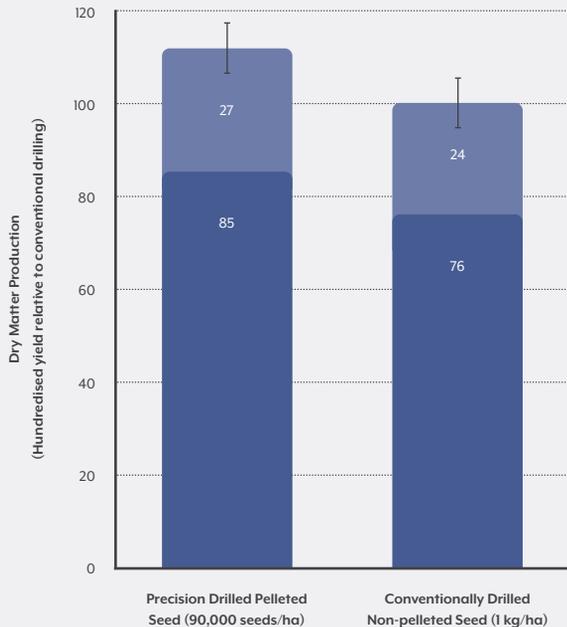
# Trial results

## PROVEN PERFORMANCE

A trial evaluating precision planting of Cleancrop™ Hawkestone pelleted swede (90,000 seeds/ha) versus conventional sowing (1 kg/ha) was established in Oxford, Canterbury on 17 November 2018. Prior to grazing on 20 May 2019 (184 days after sowing), yield assessments demonstrated that precision sown pelleted seed provided a statistically significant 12% increase in yield relative to conventional sowing.

### Relative Dry Matter Production of Precision Planting Pelleted versus Conventional Drilling of Cleancrop™ Hawkestone Swede Seed

- Relative Leaf Yield
- Relative Bulb Yield



Trial conducted in Oxford, North Canterbury. Sown on 17 November 2018 and harvested on 20 May 2019 (184 DAS), LSD (5%) = 10.7%

# Trial results

## SWEDE PELLETTING TRIALS

Pelleted swede seed 21 days after sowing (DAS)



Pelleted swede seed 33 DAS



Pelleted swede seed 47 DAS



# Ultrastrike® pelleted swede seed varieties

All varieties are suitable for these farm types:



Pelleted sowing rate for the below varieties:

90,000 seeds/ha



## THE HIGH PERFORMANCE SWEDE

The Cleancrop™ Brassica System is a simple weed management system which eradicates key problem weeds commonly found in brassica crops. With the competition down, yield goes up. Combining the power of broad-spectrum Telar® herbicide and plants bred to tolerate it, the Cleancrop™ Brassica System is the ideal way to maximise crop performance.



## THE YIELD ADVANTAGE

Clutha Gold is the latest swede bred from the Forage Innovations plant breeding joint venture between Plant and Food Research and PGG Wrightson Seeds and was developed to supersede Aparima Gold swede. Clutha Gold has a significant yield advantage over Aparima Gold while maintaining its clubroot and dry rot disease tolerances.



## THE SOFTEST SWEDE

Major Plus – a traditional early maturing soft swede easily consumed by stock. When you need a dependable swede, Major Plus will be ideal for your stock.

# Cleancrop™ Hawkestone pelleted swede case study

Property:	Wether Hill Farm
Farm Type:	Sheep, beef and dairy support
Hectares:	1060
Location:	Ohai, Southland
Name:	Paul and Wendy Stirling

In the past, Paul and Wendy have used swedes and kale as a source of winter feed, growing 75 hectares (ha) in total. In addition, they often incorporate 5 ha of fodder beet into the cropping rotation.

Traditionally, they've achieved 10-12 tonne swede crop yields. However, they made the decision to precision drill their swede crops after discussions with their contractor and local retailer representative about trying to increase their yield in the 2017 spring season.

They chose Hawkestone swede from the Cleancrop™ Brassica System and increased their yield dramatically. Specifically, they had a 19,000 kgDM/ha crop grown for \$1,400/ha, ultimately providing feed for just 7c/kgDM.

Paul says, along with the large even bulb size, he is also impressed with how quickly the pelleted seed germinates and gets out of the ground. He says he is getting great payback from the extra investment of precision sowing.

Paul and Wendy Stirling on Wether Hill Farm, Ohai, Southland



## Other publications

PGG Wrightson Seeds has developed a number of other publications to assist you on your farm. The following publications are available:



To get a copy of one of these publications, visit our website or email us with your details:

Visit: [pggwrightsonseeds.com](http://pggwrightsonseeds.com)

Email: [info@pggwrightsonseeds.co.nz](mailto:info@pggwrightsonseeds.co.nz)

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More feed means better end results. Increase your customer's yield and bottom line with the market leading pelleted swede technology.

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