

Condobolin, field pea varietal yield and quality trial

Nathan Border NSW Dept. of Primary Industries, Condobolin

This trial was part of the National Variety Testing Program, sponsored by GRDC.

Key Messages

- The extremely late break to the season highlighted maturity differences in pod mapping. The flowering period of late maturing varieties was cut short quite significantly. However there were not big yield differences overall.
- Yield varied from 2.0 - 2.7t/ha.
- The grain size varied from 18.6g/100seeds (Morgan) to 26.2g/100seeds (Moonlight).

Background

The aim of this trial is to provide localised data on the yield and quality response of released and near release field pea lines.

Methods

The trials were sown into a long fallow paddock (from lucerne) into good soil moisture on the 17th June 2005 and harvested on the 22nd November 2005.

The trial consisted of 9 varieties, which were sown on a red loam soil.

The treatments were replicated 3 times. Plot size was 2m X15m.

Varieties were sown at various seeding rates to gain similar plant populations. The trial was sown with 100kg/ha of Triphos(21P;1S;15Ca).

Results

Table 1. Yield and seed weight.

Variety	Yield (t/ha)	100 Seed wgt (g)
Yarrum	2.7	20
Morgan	2.6	18.6
Snowpeak	2.6	21.1
Sturt	2.5	21.3
Kaspa	2.4	23.7
Excell	2.3	23.5
Parafield	2.3	24.6
Mukta	2.2	20.9
Moonlight	2.0	26.2

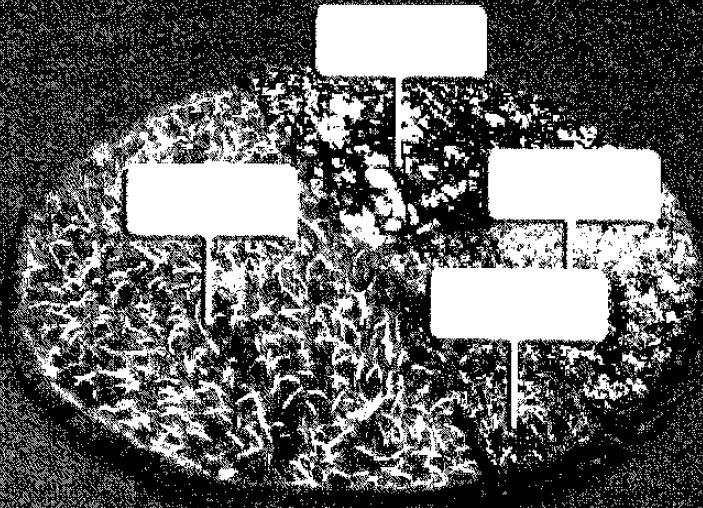
Discussion

Growing season rainfall for Condobolin was 357mm (June - November). Although the season started quite late, the total in crop rainfall was good. Yields for the short season varieties were helped by cool and wet conditions through September and October. The longer season varieties were cut short during flowering, however there was not a lot of variation in yield. The trial will be repeated this year.

Acknowledgements

These trials were conducted as part of the National Variety Testing Program. Kerry Clark (NSW DPI) was responsible for sowing the trials. Staff at Condobolin ARAS harvested the trials. Trial data was taken from the ACAS website (www.acasnt.com.au).

A SuPreme meal for any crop.



For crops hungry for the right balance of nutrients, the exciting new choice is Granulock® Supreme Z™ fertilizer.

- Better zinc solubility resulting in more efficient zinc use
- Higher phosphorus content means reduced freight costs
- Increased plant available sulfur ensures Supreme Z is a versatile product for your whole rotation

With all of this in a single pass, your crops will soon show the outstanding benefits of Granulock Supreme Z. (and take up your yields this season with just one Supreme Z need.)

For details from the fertilizer specialists, contact your local Incitec Pivot Agent or Better. Freecall 1800 333 197 www.incitecpivot.com.au

**GRANULOCK®
SuPremeZ™**

Incitec Pivot

Because the land is your life.