

E uabalong, wheat after pulses Nathan

Border NSW Dept. of Primary Industries, Condobolin

Key Messages from 2005

- There was no significant difference in wheat yields following different pulse crops in 2004.
- The short season limited the potential differences being expressed.

Key Messages from 2004

- Wheat (av. 0.78 t/ha & \$23.30/ha) and field peas (av. 0.87 t/ha & \$38.75/ha) had the highest yields and gross margins compared with lupins and vetch.
- Field peas have the potential to be an alternative crop in western cropping rotations.

Background

The aim of this trial was to investigate the follow-on effects of field peas, lupins and vetch on the next years crop of wheat.

Methods

Growing season rainfall for Euabalong was 335mm (June - November).

The trial was sown on 15th June 2005 into wheat stubble with good soil moisture and harvested on the 8th December 2005.

The trial consisted of sowing drysdale wheat after:

Field peas: Kapsa and Morgan

Lupins: Ultra and Merrit

Vetch: Blancheffleur & Languedoc

Wheat: Janz & Sunbri

The wheat was sown at 40kg/ha on a red loam soil with 80kg/ha of Triphos fertiliser (ON; 21P; 1S; 15Ca).

The treatments were replicated 3 times. Plot size was 6m X 30m.

Results

Crop 2004	2005 Drysdale yield (t/ha)
Kapsa	2.83
Morgan	2.78
Blancheffleur	2.73
Sunbri	2.72
Languedoc	2.59
Ultra	2.57
Merrit	2.55
Janz	2.49
Isd (5%)	0.44

Values that vary less than the Isd (5%) are not considered to be different.

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