

L5 Green Lentil Desiccation/Harvest Timing, MRZ Wimmera (Pimpinio), Victoria

Aim

To investigate the impact of crop-topping and harvest timing on the yield and quality on new green lentil varieties.

Treatments

Varieties: Boomer, PBA Greenfield, PBA Giant, PBA Ace (red lentil, control)

Treatments:

Treatment	Detail
Nil	No desiccant applied (Harvested at correct time)
Early Crop-top	Paraquat 250 @800ml /ha applied 7-14 days pre ryegrass milky dough stage.
Mid Crop-top	Paraquat 250 @800ml /ha applied at ryegrass milky dough stage ("Recommended").
Late Crop-top	Paraquat 250 @800ml /ha applied 7-14 days post ryegrass milky dough stage.
Delay Harv 1	Harvest delayed by at least 7 days
Delay Harv 2	Harvest delayed by at least 14 days

Other Details

Sowing date: 13 May

Row Spacing: 30cm

Stubble: Standing, approximately 30 cm (sown inter-row)

Fertiliser: MAP + Zn @ 80 kg/ha at sowing.

Plant Density: 120 plants/m²

Results and Interpretation

- Key Message: Due to climatic conditions frost and dry conditions there was no effect of crop topping and harvest timing in 2014.
- Grain Yield and Quality – No significant response to desiccation and harvest timing treatments were observed in 2014. The mean grain yield of all green lentils was approximately 0.3t/ha and PBA Ace 0.5t/ha.

Key Findings and Comments

- Research will continue in 2015