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## POST SEEDING SUPER PHOS ON LUPINS

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**FARMER:** Cripps (NAG)

**LOCATION:** Binnu

**YEAR:** 2013 **CODE:** P13L1

**AIM:** To manage production risk with post seeding topdressing of Super Phos.

**PADDOCK HISTORY:** 2012: Wheat (0.8 t/ha) with 80 kg/ha Agyield Extra/MoP (75:25); 2011: Lupins (1 t/ha) 2010: Grassy pasture. 2 t/ha lime and 200 kg/ha Super CZM applied in 2012.

### SOIL ANALYSIS:

Yellow loamy sand

Depth (cm)	pH	EC	OC	Nit N	Amm N	P	PBI	K	S	Ex Ca	Ex Mg	eCEC
0-10	5.3	0.05	0.6	9	5	13	20	69	8	1.9	0.3	3
10-20	4.9	0.02	0.4	2	2	5	14	60	5	0.9	0.2	2
20-30	5.4	0.03	0.2	1	1	2	21	56	16	0.9	0.3	1

### TREATMENTS:

Trt	Treatment		P
	Banded (kg/ha)	4 WAS (kg/ha)	
1	-	-	0
2	-	150 Super Phos	14
3	40 Double Phos	-	7
4	40 Double Phos	75 Super Phos	14
5	40 Double Phos	150 Super Phos	21
6	80 Double Phos	-	14
7	80 Double Phos	75 Super Phos	21
8	120 Double Phos	-	21

### MANAGEMENT:

**Seeding:** 7 May 90 kg/ha of Mandellup Lupin

**Fertiliser:** 7 May Double Phos  
4 Jun Super Phos

**Pesticides:** 7 May 1.8 L/ha Roundup Powermax, 2 L/ha Treflan, 2 l/ha Simazine, 350 g/ha Metribuzin and 300 ml/ha Lorsban

29 May 350ml/ha Gesatop 600, 150 ml/ha Brodal (AGWA)

**Harvest:** 7 Nov

### RESULTS AND DISCUSSION:

Yield potential was limited by poor establishment (average 5-10 plants/m<sup>2</sup>) and dry growing conditions.

There were good visual responses to banded Double Phos but no response to Super topdressed 4 weeks after seeding. The effectiveness of post seeding Super would have been limited by low rainfall following application.

Crop yields were a very disappointing 0.2 to 0.3 t/ha and there was no response to fertiliser.