

Project: Chickpea Nutrition
Trial RH1211
District Yallaroi
Crop: Chickpea cv. PBA Hatrick

Disclaimer:

This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not to be taken as an endorsement of any unregistered use pattern.**

Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.

Application dates:

Planting (IBS)	Top dressing
21/05/2012	16/08/2012
Planting	Start of flowering

Growth stage:

Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

Trt No.	Added Urea (kg/ha)	Timing	Rhizobia Inoculation	Emergence Count 14/06/2012 24DAP Plants/m ²	NDVI 13/08/2012 Index	NDVI 27/09/2012 Index	Yield 26/11/2012 kg/ha
1	Nil	-	Nil	24	0.31	0.71	2090
2	50	Planting	Nil	24	0.34	0.77	2005
3	100	Planting	Nil	18	0.34	0.79	2279
4	Nil	-	Plus	25	0.34	0.79	2025
5	50	Planting	Plus	16	0.30	0.72	1856
6	100	Planting	Plus	19	0.33	0.78	1790
7	50	August	Nil	29	0.32	0.78	2272
8	100	August	Nil	25	0.33	0.77	1986
9	50	August	Plus	20	0.30	0.75	1869
10	100	August	Plus	32	0.32	0.79	2109
P =				0.30	0.85	0.57	0.97
LSD =				nsd	nsd	nsd	nsd
CV =							30%

Urea at planting was spread and incorporated by sowing (IBS) using narrow point tynes

Urea in August was spread by hand

Rhizobia inoculant applied at 6kg/ha

High level of variability in yield (plants affected by virus ?)

Factorial Analysis	Emergence Count 14/06/2012 24DAP Plants/m ²	NDVI 13/08/2012 Index	NDVI 27/09/2012 Index	Yield 26/11/2012 kg/ha
Added Urea (kg/ha)				
Nil	26	0.32	0.77	2057
50 (Planting)	20	0.32	0.75	1930
100 (Planting)	19	0.33	0.79	2035
50 (August)	NA	NA		2070
100 (August)	NA	NA		2048
P =	0.08	0.66	0.47	0.99
LSD =	nsd	nsd	nsd	nsd
Rhizobia Inoculation				
Nil	23	0.33	0.76	2126
Plus	20	0.31	0.77	1930
P =	0.44	0.28	0.84	0.32
LSD =	nsd	nsd	nsd	nsd
Urea x Inoculant Interaction				
P =	0.49	0.45	0.38	0.85
LSD =	nsd	nsd	nsd	nsd