

PENERGETIC RESULTS WITH COTTON

Bahia, Brazil – 2014-15

TRIAL

Description of Treatments

Treatment	Fertilizer 05-34-00 (lb/ac)	Penergetic Used [Yes/No]	Day 11	Day 21	Day 45	Day 65
			Penergetic k	Penergetic p		
Treatment 1	440 lb/ac	No	0	0	0	0
Treatment 2	440 lb/ac	Yes	7.0 oz/ac	2.33 oz/ac	2.33 oz/ac	2.33 oz./ac
Treatment 3	88 lb/ac	No	0	0	0	0
Treatment 4	88 lb/ac	Yes	7.0 oz./ac	2.33 oz/ac	2.33 oz/ac	2.33 oz/ac

Results

Yield in Cotton Seed (lbs. per acre)	
Treatment 1	2,772
Treatment 2	3,224
Treatment 3	2,904
Treatment 4	3,300

Treatment 2 (full fertilizer rate and Penergetic k and p) produced 16.7% more cotton seed than Treatment 1 (full fertilizer rate and no Penergetic).

Treatment 4 (adjusted fertilizer rate and Penergetic k and p) produced 13.6% more cotton seed than Treatment 3 (adjusted fertilizer rate and no Penergetic).

Also, Treatment 4 had the highest overall yield of cotton seed even though the fertilizer (05-34-00) rate for Treatment 4 was just 20% as much as was used in Treatments 1 and 2.

Yield in Cotton Fiber (lbs. per acre)	
Treatment 1	1,227.6
Treatment 2	1,425.6
Treatment 3	1,280.4
Treatment 4	1,438.8

Treatment 2 (full fertilizer rate and Penergetic k and p) produced 16.1% more cotton fiber than Treatment 1 (full fertilizer rate and no Penergetic).

Treatment 4 (adjusted fertilizer rate and Penergetic k and p) produced 12.4% more cotton fiber than Treatment 3 (adjusted fertilizer rate and no Penergetic).

Also, Treatment 4 had the highest overall yield of cotton fiber even though the fertilizer (05-34-00) rate for Treatment 4 was just 20% as much as was used in Treatments 1 and 2.

Note: work was carried out at the West Research and Technology Center of Bahia, Bahia Foundation, in Luís Eduardo Magalhães, Bahia, Brazil [2015]

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