NDSU CREC Oakes Irrigation Research Site
2006
Dry Edible Bean Inoculation Trial - Commercial Product Evaluation

Trmt. ID	Product Type	Brand - Company	Product Type	Product App. Rate	Nodule Size	Nodule Number	Nodule Mass	Test Weight	Seed Yield
					0 to 9	0 to 9	0 to 9	lb/bu	lb/ac
1	Control	NA	NA		2.7	2.5	2.2	58.2	2381
2	N100	NA	Urea		3.2	3.8	3.2	57.5	2896
3	NitraStik-D	Nitrogen	Powder	7.0 oz/cwt	4.3	2.3	2.5	57.7	2669
4	NitraStik + NI-50D-1	Nitrogen	Powder + Liquid	7.0 oz/cwt + 4.25 fl.oz/cwt	5.0	4.2	4.0	57.7	2515
5	NitraStik + NI=50D-2	Nitrogen	Powder + Liquid	7.0 oz/cwt + 4.25 fl.oz/cwt	4.0	3.5	3.2	57.1	2698
6	NaturesAid	INTX Microbials	Granular	6.5 lb/acre	3.3	3.2	3.2	57.3	2336
7	ProTec	Pro Coat Technologies	Liquid	4.5 ml/kg	2.5	4.3	3.8	57.7	2289
8	QuickRoots Inoc(NitraStik)	TJ Technologies	Liquid + Powder	6 gm/acre + 7.0 oz/cwt	2.8	2.3	2.2	57.8	2396
			MEAN		3.5	3.3	3	57.6	2519
			C.V.%		45.6	55.5	48.8	1.4	10.9
			LSD.05		NS	NS	NS	NS	322
			LSD.01		NS	NS	NS	NS	433
			#REPS		6	6	6	6	6

Planting Date = June 8 ; Harvest Date = September 11 ; Previous Crop = Pumpkin ** Maverick pinto was cultivar utilized in field trial.

** Data on nodule number and nodule mass were scored on a basis of 0 to 9 where 0 equal zero/no to a 9 equating profuse/large. Assessments on August 13.

** Soil test indicated 21 lbs of available N in top 2 feet of soil profile. Phosphorus = 44 ppm Potassium = 51 ppm