

2007 Soybean Inoculation Trial - Commercial Product Evaluation

Oakes

Product/Treatment	Brand-Company	Product type	Plant Stand	Days to Bloom	Days to PM	Lodging	Plant Biomass	Root Biomass	Nodule Number	Nodule Mass	Protein	Oil	Seeds/pound	Test Weight	Seed Yield
			plant/ac				g/plant	g/plant	No./plant	g/plant	%	%		lb/bu	bu/ac
Non-Inoculated Control	NA	NA	204025	33.0	108.7	3.2	3.22	0.78	21.3	0.197	35.1	17.3	2704	57.0	55.9
Cell Tech	EMD Crop Bioscience	Liquid	202919	33.2	108.7	3.2	3.37	0.60	15.3	0.147	35.2	17.1	2732	57.0	56.7
Optimize	EMD Crop Bioscience	Liquid	212213	33.8	108.5	3.5	2.95	0.55	23.2	0.191	34.9	17.2	2718	57.2	54.9
Myconate	Plant Health Care Inc.	Liquid	216417	33.2	108.7	4.3	2.97	0.67	18.7	0.157	34.7	17.3	2723	56.8	56.7
Nod+	Becker underwood	Liquid	201591	33.3	108.7	3.7	3.02	0.68	18.2	0.177	34.8	17.2	2707	57.2	55.4
Nod+ plus Extender	Becker underwood	Liquid	219515	32.8	108.8	4.2	3.15	0.70	19.0	0.169	34.8	17.2	2795	57.1	55.6
Vault	Becker underwood	Liquid	214868	32.8	108.7	4.3	3.43	0.75	25.9	0.220	34.9	17.3	2708	56.8	54.9
Protec + Nitrogen S	Pro Coat Technologies	Peat	215089	32.3	108.7	4.5	2.58	0.83	21.3	0.227	35.0	17.2	2781	56.9	58.1
		Mean	210830	33.1	108.7	3.9	3.09	0.70	20.4	0.186	34.9	17.2	2733	57.0	56.0
		C.V.%	7.2	3.1	0.5	35.0	26.17	22.45	35.1	35.0	1.0	0.9	1.5	0.7	6.8
		LSD.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	47.2	NS	NS

** Planting Date = June 5; Harvets Date = October 23; Previous Crop = Corn; Soybean Cultivar Cultivar = RG601RR

** Site has the many years of soybean history.

** All seeds were pre-treated with ApronMAXX RTA prior to inoculation.

** Plant samples for biomass and nodule measurements were collected at early bloom.