

Table 4: Effect of the some plant growth promoting rhizobacteria (PGPR) on herb fresh and dry weights per plant (g) and per *fad* (ton) of basil plant

Treatments		Herb fresh weight/				Herb dry weight/			
		Plant (g)		Fad (ton)		Plant (g)		Fad (ton)	
N fertilization kg/ <i>fad</i> [#]	Bacterial inoculant [*]	1 st	2 nd	1 st	2 nd	1 st	2 nd	1 st	2 nd
		Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut
Season 2011									
60	without	202	225	4.84	5.40	115.4	126.0	2.77	3.02
45	without	102	117	2.44	2.80	55.3	73.1	1.33	1.75
45	P	103	130	2.48	3.12	65.2	74.1	1.57	1.78
45	P1	156	185	3.75	4.44	81.8	108.0	1.97	2.59
45	B2	118	140	2.84	3.36	71.6	79.6	1.72	1.91
45	P+P1+B2	173	192	4.14	4.60	103.6	113.7	2.49	2.73
45	A	122	143	2.92	3.44	72.1	80.5	1.73	1.96
45	A+P1	215	230	5.17	5.52	118.7	128.0	2.85	3.08
45	A+B2	127	154	3.05	3.70	77.8	91.0	1.87	2.18
45	A+P1+B2	229	139	5.50	5.73	126.0	132.3	3.02	3.18
LSD 0.05		3.24	4.11	0.64	1.04	2.90	3.44	0.15	0.22
Season 2012									
60	without	186	208	4.46	4.98	103	110	2.47	2.63
45	without	92	106	2.21	2.54	43.5	60.2	1.05	1.45
45	P	97	114	2.33	2.74	46.3	67.7	1.11	1.62
45	P1	142	173	3.42	4.16	81.8	98.2	1.96	2.36
45	B2	112	127	2.68	3.06	67.3	76.2	1.61	1.83
45	P+P1+B2	158	179	3.80	4.30	93.2	107	2.24	2.56
45	A	114	130	2.74	3.12	67.8	76.4	1.65	1.83
45	A+P1	197	215	4.72	5.15	111	118	2.66	2.36
45	A+B2	114	141	2.74	3.39	69.4	77.6	1.67	1.86
45	A+P1+B2	220	229	5.29	5.50	118	128	2.83	3.08
LSD 0.05		2.69	3.84	0.56	0.84	2.03	2.54	0.11	0.17

[#] 60 kg N/ *fad* = the recommended N fertilizer dose as control and 45 kg N/ *fad* = 75% of the recommended N fertilizer dose.

* P = *Paenibacillus polymyxa*, P1 = *Pseudomonas synxantha*, B2 = *Bacillus subtilis* 2 and A = *Azospirillum brasilense*.