



EcoMicrobials™



EcoFlora Field Trial in Roses

Product: EcoFlora **Trial setting:** Field trial
Crop: Roses **Location:** Cundinamarca, Colombia

A trial was carried out with roses of the varieties Pink Parfait, Flower Show and Forever Amber. Beds with established plants were used for the trial. In the case of Forever Amber plants there were located in two greenhouses, one with normal soil and the other with highly deteriorated soil due to extended overuse of pesticides.

Half of the beds were treated with EcoFlora and the other half were used as controls. EcoFlora was applied 7 times in a 10 weeks period.

The application of EcoFlora was carried out at two different dosages:

Dose A: Corresponding to 30 gr/100 m²/week (0.88 oz/100 yard²/week)

Dose B: Corresponding to 15 gr/100 m²/week (0.44 oz/100 yard²/week)

Application Schedule

Week	Treated Beds		Control Beds
	EcoFlora or Water	Inorganic Fertilizer	Inorganic Fertilizer or Water
1	EcoFlora		Water
2		Fertilizer	Fertilizer
3	EcoFlora		Water
4		Fertilizer	Fertilizer
5	EcoFlora		Water
6	EcoFlora		Water
7	EcoFlora		Water
8	EcoFlora		Water
9	EcoFlora		Water
10	Water		Water

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Production of Roses under different treatments

Week	Dose A				Dose B			
	Pink Parfait		Flower Show		Forever Amber Normal soil		Forever Amber Deteriorated soil	
	EcoFlora	Control	EcoFlora	Control	EcoFlora	Control	EcoFlora	Control
7	97	62	69	25	23	23	16	4
8	78	44	36	17	20	17	8	4
9	33	23	24	24	17	16	7	1
10	17	16	8	6	5	3	0	1
Total	225	145	137	62	65	59	31	10
Difference	+80		+65		+6		+21	
Improvement	55%		104%		10%		210%	

Differences in the effectivity of EcoFlora applications was observed between varieties of roses. A very significant difference in improvement was determined in the same variety of roses (Forever Amber) cultured under different quality soils, with the highest improvement in the deteriorated soil.