

Protilizer®

Seed & Plant Activator

Grow Strong Roots & Reduce Plant Loss



6 ounces = 12 gallons



1/2 ounce = 1 gallon

Use Protilizer® Seed & Plant Activator to start seeds and transplant tender flowers and vegetables from flats into containers and gardens. Our beneficial microbes, mycorrhizae fungi and humic acid reduce plant shock and help seeds germinate quickly.

Protilizer® protects roots. Whether you're planting new roses and shrubs or moving established plants from one location to another, roots can go into shock and stun the plant. Shock makes a plant more susceptible to disease and pest attacks. Protilizer® surrounds the root zone with billions of beneficial bacteria. These little powerhouses help roots absorb nutrients and water, reduce shock and replace the need for fungicides.

Make Growing Easy with Protilizer® Seed & Plant Activator

- Reduces shock when planting and transplanting
- Grows strong roots for efficient water and nutrient absorption
- Speeds up germination and increases flowering
- Replaces the need for fungicides
- Protects plants against environmental stresses
- Adds billions of beneficial bacteria to improve soil health

Mix 1 Pkt. or 1 Scoop in 1 Gallon of Water



Drench Roots



OR Apply to Seed Bed



Reapply Monthly



Make Growing Easy

Follow us for helpful videos and great gardening tips.



Greenhouse Trial Results

Protitizer®

Plant: Tomato | Parameters: Growth & Root Architecture

7 Days After Planting

Treatment	Shoot Fresh Weight (g)	Root Fresh Weight (g)	R/S	Root Surface Area (cm ²)	Mean Root Diameter (mm)	Root Volume (cm ³)	Root Length (cm)	Length of Fine Roots (mm)	# of Root Tips
Protitizer®	0.027	0.054	1.72	0.88	1.04	0.02	2.65	1.19	12.98
Control	0.028	0.85	0.45	0.35	1.21	0.02	1.50	0.44	7.33

14 Days After Planting

Treatment	Shoot Fresh Weight (g)	Root Fresh Weight (g)	R/S	Root Surface Area (cm ²)	Mean Root Diameter (mm)	Root Volume (cm ³)	Root Length (cm)	Length of Fine Roots (mm)	# of Root Tips
Protitizer®	0.074	0.054	0.82	2.11	1.24	0.06	5.49	1.28	21.0
Control	0.051	0.042	0.81	1.33	0.98	0.04	3.78	1.22	20.6

21 Days After Planting

Treatment	Shoot Fresh Weight (g)	Root Fresh Weight (g)	R/S	Root Surface Area (cm ²)	Mean Root Diameter (mm)	Root Volume (cm ³)	Root Length (cm)	Length of Fine Roots (mm)	# of Root Tips
Protitizer®	0.252	0.268	1.12	6.31	0.93	0.149	20.96	8.60	134.8
Control	0.131	0.051	0.39	1.45	0.80	0.030	5.59	2.24	35.8

30 Days After Planting

Treatment	Shoot Fresh Weight (g)	Root Fresh Weight (g)	R/S	Root Surface Area (cm ²)	Mean Root Diameter (mm)	Root Volume (cm ³)	Root Length (cm)	Length of Fine Roots (mm)	# of Root Tips
Protitizer®	0.37	0.64	1.71	36.86	1.12	1.11	117.44	76.53	756
Control	0.21	0.36	1.80	15.97	0.89	0.75	74.75	52.57	439

Test was conducted in soilless media in the greenhouse. Values shown are means of 4 replicate plants.
Fine roots are the smallest diameter class (0 – 0.5) determined by the WinRhizo analyses.