

## JumpStart™

### JumpStart gives you a jump start on growth.

JumpStart™ is a proprietary liquid formulation containing a soil penetration agent, humic acid and over 200 species of beneficial soil bacteria to:

- Improve moisture infiltration and retention for faster, more complete germination and uniform stands of vegetation
- Promote faster nutrient uptake and conversion to get plants off to a faster, stronger start
- Provide a hormonal plant response to maximize root development and plant stress tolerance
- Reduce soil compaction and salinity for deeper root penetration
- Reduce nutrient leaching and runoff to ensure more complete environmental stewardship



### JumpStart speeds germination and growth

An independent trial utilizing the ASTM D7322 test method for Growth Establishment documented a synergistic effect of JumpStart in getting grass off to a fast start. Compared to the control area after 14 to 21 days, the seeded area with JumpStart experienced:

- 275% more seed germination
- 281% greater plant height
- 115% greater plant mass

Typical Application Rates for ProPlus® JumpStart™						
EC <sup>1</sup>	TDS <sup>2</sup> ppm	SAR <sup>3</sup>	CEC% Sodium <sup>4</sup>	%OM <sup>5</sup>	%OA <sup>6</sup>	Jumpstart™
< 0.75	< 480	< 3.0	< 4.0	> 2.0	> 2.5	1.25 gal/ac (11.71 L/ha)
0.75 – 1.5	480 – 960	3.0 – 4.0	4.0 – 6.0	1.5 – 2.0	1.7 – 2.5	2.5 gal/ac (23.42 L/ha)
1.6 – 3.0	1024 – 1920	4.0 – 5.0	6.0 – 7.0	0.75 – 1.4	1.0 – 1.6	3.75 gal/ac (35.13 L/ha)
> 3.1	> 1984	5.0 – 6.0	7.0 – 9.0	< 0.75	< 1.0	5.0 gal/ac (46.85 L/ha)

Amendment Ingredients
Polyhydroxy Alkoxy Alkylene Oxides
Humic Acid (derived from Leonardite)
Microorganisms
Inert Ingredients
Water Based Culture Medium

1. Electrical Conductivity 2. Total Dissolved Salts 3. Sodium Absorption Ratio  
4. Sodium as % Base Saturation CEC (Cation Exchange Capacity) 5. Organic Matter 6. Organic Acids



For technical information or distribution, please call 800-508-8681.

For customer service, call 800-366-1180.

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