



Can be applied aerially, via spreader, by hand or hydraulically



Granules release the proprietary Seed Aide Aero formulation to help keep soil in place, increase moisture retention and promote vegetation establishment



Smaller-scale jobs can easily be completed using a jet-agitated hydroseeder

Soil Stabilization Granules for Flexible Application and Effective Erosion Control

Seed Aide® Aero™ may be applied dry or hydraulically, making it a versatile and cost-effective solution where conventional erosion control equipment access is limited or unavailable. It is ideal for a range of conditions, including remote sites, dryland reclamation, post-fire reclamation, pipeline restoration, drilling pads and aerial applications.

Seed Aide Aero Advantages:

- Soil binding—upon wetting, the mulch granules expand and release linear anionic soil flocculant to eliminate soil particles from water runoff, reducing sediment loss
- Productive seed-to-soil bond—the polysaccharide polymers create an effective bond to hold seeds in place, creating better overall vegetation distribution
- Better germination—the expanded cellulose/wood granules hold water, reduce soil surface evaporation and deliver the biostimulant to enhance germination and growth

Seed Aide® Aero™ Technical Data:

PHYSICAL PROPERTIES*	TEST METHOD	TESTED VALUE
Bulk Density	ASTM D2978	26 ± 2 lb/ft ³ (416.5 ± 32 kg/m ³)
Water Holding Capacity	ASTM D7367	≥ 500%
Material Color	Observed	Green
PERFORMANCE PROPERTIES*		
Cover Factor ¹ (5 in/hr event)	Large Scale Testing ²	≤ 0.18
% Effectiveness ³	Large Scale Testing ²	≥ 82%
Functional Longevity ⁴	ASTM D5338	≤ 3 months
ENVIRONMENTAL PROPERTIES*		
Ecotoxicity	EPA 2021.0	48-hr LC ₅₀ > 100%
Biodegradability	ASTM D5338	Yes

*When uniformly applied at a rate of 2,250 pounds per acre (2,520 kilograms/hectare) under laboratory conditions.

1. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface.

2. Large scale testing conducted at Utah Water Research Laboratory. For specific testing information please contact a Profile technical service representative at 800-508-8681 or +1-847-215-3464.

3. % Effectiveness = One minus Cover Factor multiplied by 100%.

4. Functional Longevity is the estimated time period, based upon ASTM D5338 testing and field observations, that a material can be anticipated to provide erosion control and agronomic benefits as influenced by composition, as well as site-specific conditions, including; but not limited to – temperature, moisture, light conditions, soils, biological activity, vegetative establishment and other environmental factors.

COMPOSITION

Cellulose Fibers– 70%

Thermally Processed* Virgin Wood Fibers – 22%

Wetting Agent - including linear anionic soil flocculants and high-viscosity colloidal polysaccharide polymers - 8%

Formulation pelletized and granulated to form Seed Aide Aero granules

*Heated within a pressurized vessel to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa) in order to be Thermally Refined®/Processed and to achieve phyto-sanitization.



Application Rate: 1,000 lb/ac (1,120 kg/ha)



Application Rate: 3,000 lb/ac (3,360 kg/ha)

INSTALLATION

Examine substrate and conditions where materials will be applied. Apply product to geotechnically stable slopes that have been designed and constructed to divert runoff away from the face of the slope. Do not proceed with installation until satisfactory conditions are established.

Strictly comply with manufacturers installation instructions and recommendations. Use approved mulch-spreading machines. To achieve performance characteristics as documented, granules must be activated by water.

DIRECTIONS FOR USE

Seed Aide Aero should be applied at recommended rates shown below:

SLOPE GRADIENT/CONDITION	ENGLISH	SI
≤ 4H to 1V	450-1,000 lb/ac	500 -1,120 kg/ha
> 4H to 1V and ≤ 3H to 1V	1,000-1,500 lb/ac	1,120 -1,680 kg/ha
> 3H to 1V and ≤ 2H to 1V	1,500-3,000 lb/ac	1,680-3,360 kg/ha

Slope interruption devices or water diversion techniques are recommended when slope lengths (3H:1V) exceed 30 feet (9.1 m).

PACKAGING

Bags: Net Weight - 50 lb (22.7 kg)

Bulk Sack: Net Weight - 1,000 lb (453.6 kg)

UV and weather-resistant plastic bags

Pallets: 40 bags/pallet, 1 ton (907 kg)/pallet

Weather-proof, stretch-wrapped with UV resistant pallet cover



**GREEN DESIGN
ENGINEERING™**
EARTH-FRIENDLY SOLUTIONS
FOR SUSTAINABLE RESULTS™

Green Design Engineering™ is a holistic approach that combines agronomic and engineering expertise with advanced technologies to provide cost-effective and earth-friendly solutions. Profile strives to deliver Green Design Engineering across our team of consulting professionals, innovative products and educational resources.



PS³ is a free, comprehensive 24/7 online resource you can use to design a project and select the right products that address both the physical and agronomic needs of your site. It will help you develop holistic, sustainable solutions for cost-effective erosion control, vegetation establishment and subsequent reductions in sediment and other pollutants from leaving disturbed sites. Because good plans start with the soil, PS³ offers free soil testing to ensure this critical step is considered. To access the site, design your project and take advantage of a free soil analysis, visit profileps3.com.



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

For customer service, call 800-366-1180.

For warranty information, visit profileproducts.com.

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