



Return on Environmental Investment™

## Application Directions for Ecosorb Products

*Ecosorb products are biodegradable and environmentally friendly corn starch-based superabsorbents available in a variety of application-specific particle sizes to enhance retention of water and micronutrients resulting in a healthier, vibrant, high yield plant. Ecosorb products are specifically designed and engineered for agriculture, horticulture, forestry, soil remediation and turf industries. No other soil amendment product will work as long as Ecosorb will to enhance growth, create a healthier root system, reduce plant stress and increase quality yields.*

### Application Rates for Production Agriculture

Crop	Product type	Rate	Directions
Beans Cotton Leafy vegetables Lettuce Melons Peppers	Farm	9-11 kg/ha	Apply 10-12 cm below soil, directly below seed. Alternatively, shank-in 10-12 cm below soil, 7.5-10 cm offset from seed row.
Onions	Farm	9-11 kg/ha	Single row: Apply 10-12 cm below soil, offset to side. Multi-row: Apply 10-12 cm below soil, between rows.
Potatoes	Farm	9-11 kg/ha	Apply at seed depth or slightly below, in seed furrow.
Strawberries	Farm	9-11 kg/ha	Before planting, apply in prepared bed.
Tomatoes	Farm	9-11 kg/ha	Apply 10-12 cm below soil during bed formation, directly below seed row. Alternatively, shank-in 10-12 cm below soil, 7.5-10 cm offset from seed row.
Tomatoes (transplant)	Transplant	1 kg/400 L water	Apply into transplant row or around transplant plug before pressing soil around plug.
Tree fruit	Farm	11 kg/ha	Apply at least 15 cm deep, 30-50 cm inside drip row. Spread evenly at base of hole before planting.
Anti-crustant	Anti-crustant	3-4 kg/ha	Before press wheel, band and into top of soil layer directly over seed row.

## Application Rates for Nursery & Ornamentals

Application	Product type	Rate	Directions
Containerized	Ornamentals	1/2 tbsp / 4 L 2 tbsp / 11 L 1/4 cup / 19 L 1/2 cup / 40 L 3/4 cup / 61 L 1 cup / 80 L 1 1/2 cup / 117 L	Before planting or filling containers, mix dry Ecosorb and dry soil well. Water well after planting.
Transplant	Ornamentals	1/4 cup	Mix half throughout planting hold and amend backfill with remaining half.
Planter boxes, hanging baskets, and other containers	Ornamentals	1/2 tbsp	Pre-mix with soil or poke holes into soil. Distribute material evenly into holes.
Flower beds	Ornamentals	10-20 cups/100 m <sup>2</sup>	Rake into soil (top 7.5-10 cm layer).
Potting soil, soil mix and soilless media	Ornamentals	13 cups/m <sup>3</sup> or 1/3 tbsp/28 cm <sup>3</sup>	Before planting or filling containers, mix dry Ecosorb and dry soil well. Water well after planting
Bare root planting and shipping	Root Dip	3/4 cup/19 L water	Dip plant root structure into hydrogel solution. Lift and drain excess.

## Application Rates for Golf, Sports Fields, Landscaping & Turf

Application	Product type	Rate	Directions
Localized dry spot repair, patch and compacted areas	Turf	1-2 kg/100 m <sup>2</sup>	Spray affected areas with a minimum 1.25 cm diameter aerifier tines. Spread Ecosorb over areas of dry soil or turf only, dragging product into holes and water thoroughly. Ensure that product is placed below the grass (2.5-7.5 cm into soil).
Sodding	Turf	1 kg/100 m <sup>2</sup>	Before laying sod, spread Ecosorb evenly on soil surface. Roll sod area, then water.
Seeding	Turf	1-1.5 kg/100 m <sup>2</sup>	Spread Ecosorb evenly with the seed onto dry soil area. Rake seed and Ecosorb into the top 1.25 cm of prepared lawn area, then water.
Existing lawns	Turf	1.5-2 kg/100 m <sup>2</sup>	Cut grass as short as possible, then aerate lawn. Spread Ecosorb over the area, raking product into aeration holes, then water.
Mechanical injection	Ornamental (dry) Transplant (wet)	1-2 kg/100 m <sup>2</sup>	Specific method subject to manufacturer's recommendation. Ecosorb may be mixed with sand, nutrients or substrates.

## Application Rates for Trees & Shrubs

Diameter (Ground Level)	Height	Amount to Use	Diameter (Ground Level)	Height	Amount to Use
1.25 cm	-	20 g	25 cm	-	990 g
2.5 cm	-	35 g	30 cm	-	1500 g
5 cm	-	60 g	-	1 m	12 g
7.5 cm	-	110 g	-	1.5 m	18 g
10 cm	-	160 g	-	2 m	26 g
12.5 cm	-	220 g	-	3 m	50 g
15 cm	-	430 g	-	4 m	80 g
20 cm	-	620 g	-	5 m	125 g



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Ecosorb Water Saver™ is distributed from our locations in Milton, Ontario and Winnipeg, Manitoba  
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