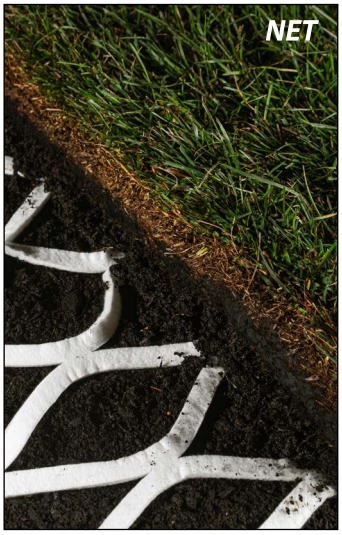
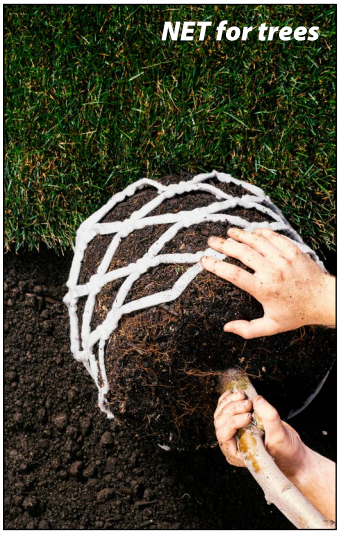
Tech Spec

Root Booster Series

Take water exactly where plants need it – TO THE ROOTS.





Applications

The Root Booster Series products store and transport water directly near the roots of plants by capillary action through their porous non-woven textile material. They are simple to install and make an excellent choice to complement natural or automatic irrigation. Because they retain moisture and extend watering intervals, the Root Booster Series products are especially beneficial in situations with inconsistent access to water (too much at once, or too little), where water conservation is particularly important (desire for higher irrigation efficiency), or where there is a desire to water less frequently (due to restrictions, or time/budget).

Material Options

BIO1 (Brown)
The BIO1 material is compostable with biodegradable properties after 1-2 years underground.
Ideal for: Annual plants like flowers, tomatoes, and other vegetables.

BIO5 (White)
The BIO5 material is compostable with biodegradable properties after 3-5 years underground.
Ideal for: Establishment of the roots in all types of plants.

PRO (Grey)
Discover the PRO material of the Root Booster Series, with long-lasting composition. Material lasts 5+ years.
Ideal for: All types of plants with extended lifespans.

How To Specify

RBS - 02 - N - 250

Family:
RBS = Root Booster Series

Material:
01 = BIO1
02 = BIO5
03 = PRO

Form:
N = NET
S = SLEEVE
ST = STRIPS

Package:
NET:
250 = Sq Ft. Net
500 = Sq Ft. Net
750 = Sq Ft. Net

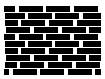
NET for trees:
TL = Large Tree Net
TXL = Extra Large Tree Net

SLEEVE:
80 = 80 ft. roll

STRIPS:
05 = 5 Gallons
30 = 30 Gallons

Material	Composition	Weight	Thickness	Color
BIO1	**WOOD FIBER** (100% cellulose fibers) 100% biodegradable after one season, about 1-2 years	2 oz./sq ft.^{2} (600 g/m^2)	0.24" (6mm)	Brown
BIO5	**PLA** (70% PLA + 30% cellulose fibers) 100% biodegradable/compostable after approx. 3-5 years	1.6 oz./sq ft.^{2} (500 g/m^2)	0.24" (6mm)	White
PRO	**PP** (100% polypropylene fibers) durable, reusable and sustainable	2 oz./sq ft.^{2} (600 g/m^2)	0.20" (5mm)	Grey

STRIPS



STRIPS serve as water storage in raised beds or planters as well as substrate improvement in ground soil. Mix STRIPS close to the roots and vegetation to enhance irrigation and substrate permeability. STRIPS resist compaction and promote aeration, providing the optimal supply of water and air for your plants. STRIPS may be used in combination with NET.

Package Sizes:
- Box containing single package of 30 Gallons (113.6 l)
- Box containing 6 packages of 5 Gallons (18.9 l)

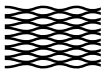
Materials:
BIO1 | BIO5 | PRO

Product Dimensions:
Length: 2.8″ (7 cm)
Width: 0.5″ (1.2 cm)

Mixing Ratios by Application for 5-gallon Bag of STRIPS:

Planters and Containers	100 gallons (319 l)	Mix in more STRIPS for small pots, and fewer for larger pots
Tree Pit	1 - 2 Trees	Will vary by size of tree
Lawns	200 – 400 ft.^{2} (19 - 37 m^2)	Assumes about 4″ (10cm) of soil
Roof Greening	100 - 200 ft.^{2} (9 – 19 m^2)	Greater concentrations are needed for green roofs because of harsh conditions

NET



Root Booster NET is an underground distribution network for air and water that nourishes plants at the roots. When installed root-deep in the soil, or around the root ball of a tree (with NET TL & NET TXL) it absorbs water into its structure and conducts it to the roots, like veins. NET reduces water consumption and extends watering intervals considerably by transporting water directly to the roots without evaporation. The open design provides ample space for roots to establish and grow without any obstruction. Root Booster NET easily expands up to 5 times the original size to deliver water and air across large areas and can be cut to fit any project. It is compatible with both natural and automated irrigation. The light weight of NET makes it ideal for use for tree pits, on medians and green roofs, slopes and sports fields.

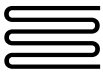
Package Sizes:
- NET TL: Box containing 12 packages of 3
- NET TXL: Box containing 9 packages of 2
- NET 250: Box with 1 roll
- NET 500: Box with 1 roll
- NET 750: Box with 1 roll

Materials:
- BIO5
- PRO

Product Dimensions:

Product	Length	Width	Cut Length	Max Surface Area	When stretched to this width
NET TL (NET FOR TREES)	43.30″ (110 cm)	13.19 (33.5 cm)	6.38″ (16.2 cm)	13.5 ft.^{2} / 1.25 m^2	5 ft (1.5m)
NET TXL (NET FOR TREES)	78.74″ (200 cm)	15.35″ (39 cm)	7.87″ (20 cm)	29 ft.^{2} / 2.7 m^2	6 ft (1.8m)
Net - 250	670″ (1700 cm)	15″ (39 cm)	7.87″ (20 cm)	250 ft.^{2} / 23.2 m^2	6 ft (1.8m)
Net - 500	670″ (1700 cm)	31″ (78 cm)	7.87″ (20 cm)	500 ft.^{2}/ 46.5 m^2	12 ft (3.65m)
Net - 750	670″ (1700 cm)	46″ (117 cm)	7.87″ (20 cm)	750 ft.^{2}/ 69.7 m^2	18 ft (5.5m)

SLEEVE



SLEEVE is the dripline covering that efficiently nourishes your plants and shields your dripline from external forces like animals, shovels, and soil compaction. Experience greater water savings when the water from your dripline is stored directly at the roots, providing easy access for your plants while minimizing water loss from evaporation and over-saturation. Root Booster SLEEVE may be used for any subsurface dripline application and is ideal for quickly draining soils and slopes. Root Booster SLEEVE is lightweight and easy to install – simply insert the dripline into the SLEEVE and experience thriving results. Pair with Root Booster NET to expand water distribution horizontally.

Package Sizes:
- SLEEVE Box with 9 individually packaged sleeves of 80 ft.

Materials:
- PRO

Product Dimensions:
- Length: 80 ft. (2440 cm)
- Width: 2.7″ (6.9 cm)

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