

# PRODUCTS APPLICATIONS USAGE RATES AND COSTS

AGRICULTURE	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ Endo Drench	Soluble greenhouse inoculant for plugs	1 lb. added to water and drenched when roots begin to form	\$3.25 per thousand
DIEHARD™ Starter Mix	Potting soil amendment endo inoculant for plugs	2 pounds per cubic yard	\$8.00 per thousand
DIEHARD™ Root Dip	Same as above plus also contains Horta-Sorb water management gel	Mix 15 oz. bag with 5 gallons of water to treat 3,000 plants	\$6.66 per thousand bare root seedlings
DIEHARD™ AG Transplant	Plug/bare root dip for vegetables, tobacco, etc.	Mix 3 oz. into the planting pit when transplanting	92 cents per tree
DIEHARD™ AG Mud-In™	Soil amendment inoculant for fruit trees and vineyard transplants	Mix 20 lbs. with 500 gallons of water to treat 150 trees	32 cents per tree
DIEHARD™ AG Mud-In™ Plus	Water tank additive to inoculate fruit trees and vineyards transplants	Mix 20 lbs. with 500 gallons of water to treat 150 trees	85 cents per tree
ARBOR	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ Injectable	Soluble endo/ecto inoculant for trees and shrubs	Mix 8 oz. with 100 gallons of water and inject on a 2 ½ ft. grid	37 cents per solution gallon
DIEHARD™ Ecto Injectable	Soluble ecto inoculant for trees and shrubs	Mix 8 oz. with 100 gallons of water and inject on a 2 ½ ft. grid	24 cents per solution gallon
DIEHARD™ Root Reviver™	Endo/ecto vertimulch inoculant for trees and shrubs	Apply 3 to 6 oz. per hole (2" wide x 10" deep) in a 3 ft. grid	8 cents per sq. ft.
DIEHARD™ BioRush™	Biostimulant that promotes fast development of absorbing roots	¼ lb. Added to 25 gal. of water and foliar applied to 1,650 sq. ft.	\$3.60 per thousand sq. ft.
DIEHARD™ BioRush™ Fe	Foliar applied to promote fast root development plus quick "green-up"	1 lb. added to 25 gal. of water and foliar applied to 2,500 sq. ft.	\$3.98 per thousand sq. ft.
FORESTRY	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ Root Dip	Ecto/Endo bare root dip for all forest trees	Mix 15 oz. bag with 10 gallons of water to treat 2,800 plants	\$4.00 per thousand seedlings
DIEHARD™ Ecto Root Dip	Ecto bare root dip for ecto responsive trees.	Mix 3 oz. bag with 5 gallons of water to treat 2,000 plants	80 cents per thousand seedlings
DIEHARD™ Ecto Drench	Ecto inoculant for flats, trays, and beds.	Mix 3 oz. bag with sufficient water to treat 18,750 seedlings	20 cents per thousand seedlings
HYDROMULCHING	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ BioRush™ Tackifier	Biostimulant, beneficial bacteria, and gels to boost germination	5 lbs. per acre mixed with mulch, seed and fertilizer	\$42.50 per acre
Horta-Sorb® SM Water Management Gel	Holds water near the seed for quicker germination	5-10 lbs. per acre mixed with mulch, seed and fertilizer	80 cents per 1,000 sq. ft.
LANDSCAPE	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ Transplant	Used as a soil amendment to quickly establish trees and shrubs.	8 oz. Pac treats a 2 inch caliper tree or 8 one gallon containers	\$5.25 to treat a 2" caliper tree
DIEHARD™ Palm	Ideal for all palms to improve color and health	As a vertimulch apply 6 oz. scoop per 3 ft. gray wood	\$4.50 to treat 15' of gray wood trunk
DIEHARD™ Flower Bed	Used as a soil amendment when preparing beds	3 lbs. per 100 sq. ft. mixed into the first 3-4 inches of bed	17 cents per sq. ft.
DIEHARD™ Root Reviver™	The ultimate "First Aid" for established trees in decline	Apply 3 to 6 oz. per hole (2" wide x 10" deep) in a 3 ft. grid	8 cents per sq. ft.
DIEHARD™ Turf	Used as a soil amendment to establish turf "naturally"	7.5 lbs. per 1,000 sq. ft. mixed into the first 1-2 inches of soil	6 cents per sq. ft.
Planting Tablets 12-8-8	Bio-fertilizer used when planting trees & shrubs	4 tablets per inch caliper placed in upper 1/3 of planting hole.	\$3.60 per thousand sq. ft.
MAINTENANCE	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ BioRush™	Foliar or soil use to feed rhizosphere micro-organisms.	¼ lb. Added to 25 gal. of water and foliar applied to 1,650 sq. ft.	\$3.60 per thousand sq. ft.
DIEHARD™ BioRush™ Fe	Foliar or soil use to promote fast root development and provide quick "green-up"	1 lb. added to 25 gal. of water and foliar applied to 2,500 sq. ft.	\$3.98 per thousand sq. ft.
DIEHARD™ Soluble Yucca Extract	Foliar or soil use for surfactant, sticker for stress and improved growth.	1 lb. added to 100 gals. of water and foliar applied to 1 acre	18 cents per thousand sq. ft.
DIEHARD™ Soluble Humate	Foliar or soil use to "energize" rhizosphere micro-organisms.	½ lb. added to 100 gals. of water and foliar applied to 1 acre	10 cents per thousand sq. ft.
DIEHARD™ Soluble Sea Kelp	Foliar or soil application to feed rhizosphere micro-organisms.	½ lb. added to 100 gals. of water and foliar applied to 1 acre	12 cents per thousand sq. ft.
NURSERIES	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ Starter Mix	Propagation amendment endo/ecto inoculant	Mix at the rate of 2 lbs. per cubic yard of media	\$8.00 per thousand
DIEHARD™ Endo Drench™	Nursery drench endo inoculant with biostimulants and <i>Trichoderma</i>	1 lb. added to water and drenched when roots begin to form	\$3.25 per thousand small plants
DIEHARD™ Ecto Drench	Nursery drench ecto inoculant with biostimulants and <i>Trichoderma</i>	Mix 3 oz. bag with sufficient water to treat 2,000 seedlings	20 cents per thousand for 01-02 seedlings.
DIEHARD™ BioRush™	Foliar biostimulant with Yucca, <i>Trichoderma</i> , and bacteria	¼ lb. added to 25 gal. of water and foliar applied to 1,650 sq. ft.	41 cents per thousand sq. ft.
DIEHARD™ Soluble Humate	Biostimulant that promotes fast development of absorbing roots	¾ lb. added to 100 gals. of water and foliar applied to 1 acre	10 cents per thousand sq. ft.
DIEHARD™ Soluble Yucca Extract	A natural wetting agent, soil penetrant	1 lb. added to 100 gals. of water and foliar applied to 18,000 sq. ft.	18 cents per thousand sq. ft.
Horta-Sorb® LG Water Management Gel	Soil amendment to manage water in large containers	2 pounds per cubic yard	2.7 cents/one gallon container
Horta-Sorb® MD Water Management Gel	Soil amendment to manage water in medium containers	2 pounds per cubic yard	2.7 cents/one gallon container
Horta-Sorb® SM Water Management Gel	Soil amendment to manage water in small containers	2 pounds per cubic yard	2.7 cents/one gallon container
TURF	APPLICATION	RATES OF USE	COST TO USE
DIEHARD™ BioRush™	Biostimulant that promotes fast development of absorbing roots	¼ lb. added to 25 gal. of water and foliar applied to 1,650 sq. ft.	\$3.60 per thousand sq. ft.
DIEHARD™ BioRush™ Fe	Foliar applied to promote fast root development and provide quick "green-up"	1 lb. added to 25 gal. of water and foliar applied to 2,500 sq. ft.	\$3.98 per thousand sq. ft.
DIEHARD™ Turf	As a soil amendment to quickly establish sod, seed, or sprigs	2 lbs. per 100 sq. ft. mixed into the first 1-2 inches of soil	9 cents per sq. ft.
Horta-Sorb® MD Water Management Gel	Broadcast to hold water in the root zone for sod, seed, and sprigs	Broadcast 3 lbs. per 1,000 sq. ft. Cut in 1 inch.	1 ½ cents per sq. ft.