

# 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	\$6.25 per thousand
DIEHARD™ Starter Mix	Potting soil amendment endo inoculant for plugs	2 pounds per cubic yard	\$8.00 per thousand
DIEHARD™ Root Dip	Plug/bare root dip for vegetables, tobacco, etc.	Mix 15 oz. bag with 5 gallons of water to treat 3,000 plants	\$6.66 per thousand bare root seedlings
DIEHARD™ AG Transplant	Soil amendment inoculant for fruit trees and vineyard transplants	Mix 3 oz. into the planting pit when transplanting	92 cents per tree
DIEHARD™ AG Mud-In™	Water tank additive to inoculate fruit trees and vineyards transplants	Mix 20 lbs. with 500 gallons of water to treat 150 trees	32 cents per tree
DIEHARD™ AG Mud-In™ Plus	Same as above plus also contains Horta-Sorb water management gel	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	\$3.97 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"	2 lbs. per 100 sq. ft. mixed into the first 1-2 inches of soil	9 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™	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™ Soluble Yucca Extract	Used as a drench for a wetting agent, sticker/spreader, and soil penetrant	1 lb. added to 100 gals. of water and foliar applied to 1 acre	18 cents per thousand sq. ft.
DIEHARD™ Soluble Humate	Foliar use of the top soluble humate to "energize" the microflora	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 use to "feeds" beneficial rhizosphere micro-organisms.		
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	\$6.25 per thousand
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	\$4.00 per thousand 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.