Polyclean- Turf Division

Product Portfolio 2021

Professional products

TRUE BLUE ^T



Proprietary blend of dyes	45.7%
Water and formulation aids	
Total	1 <u>00.0</u> %

- TRUE BLUE is a proprietary blend of environmentally friendly, nontoxic, water-soluble dyes formulated to reduce sunlight penetration and impart a natural blue color when applied to ponds, lakes and fountains.
- TRUE BLUE is nontoxic to turf grass, birds, mammals, reptiles, fish or other aquatic species. Irrigation, swimming and other recreational uses are approved during and following the use of this product. Applications to chlorinated water may require more frequent treatment.
- ✓ Apply 1 Quartz (0.94 liter) per 1 Acre foot of body of water
- 1 Acre foot of water is water that cover 1 acre surface to depth of 1 foot (= 326,000 Gallon of water = 1234 cubic.mtr)
- ✓ Case contains 4 US Gallons

RUNWAY[™]

TURF MARKING FOAM

- \checkmark Foam marker for spray rig rough and fairway application
- ✓ Fill 0.5 Foam tank with water and add Foam marker @ 2 Oz/2 Gallon water (59.2 ml/7.6 liter water)
- \checkmark Complete the tank by placing the hose at the bottom of the tank
- ✓ Case 12 quarts (11.4 L)





REPLACE[™] DIVOT MIX COLORANT

- REPLACE is a permanent pigment specifically formulated to impart a uniform, natural green color when applied to sand during the mixing phase of divot mix preparation.
- ✓ Use REPLACE at 75-350 ml per 45 kg of sand.
- ✓ Case 5 US Gallons



SUPER SIGNAL[™] BLUE

BLUE SPRAY PATTERN INDICATOR CONCENTRATE

PRECSION

- SUPER SIGNAL BLUE is a super concentrated, temporary, blue spray pattern indicator formulated to provide visual evidence of where a spray application has been made. SUPER SIGNAL BLUE eliminates waste due to overlapping and skipping, while it indicates drift and mechanical malfunction.
- ✓ Broadcast Applications: 16-32 ounces per 100 gallons (500-1,000 ml per 400 liters) of spray solution.
- ✓ Hand-held and Back-Pack Sprayers: 1-2 ounces per 3 gallons (25-50 ml per 10 liters) of spray solution.
- ✓ Case 12 Quarts (11.4 L)

KNOCKDOWNTM

Foam Suppressant

PRINCIPAL FUNCTIONING AGENTS

10%
90%
100%

- ✓ KNOCKDOWN is formulated to quickly defoam spray solutions containing silicone surfactants, nonionic surfactants or crop oil concentrates.
- Antifoam—Use KNOCKDOWN to prevent foam formation by adding it to the spray solution first, while agitating, and before adding pesticides.
- Gen. Defoamer—Use KNOCKDOWN as a general defoamer by adding it to the spray solution during agitation while foam formation is active.

USE RATES AND MIXING Method

Use Rate	per 100 gal. Solution (378.5 L) Recommendations	
Antifoam	1-4 ounces (29.6-118.4 ml) Add entire volume of KNOCKDOWN needed for load	
	when tank is 1/4 full	
Gen. Defoamer	2-4 ounces (59.5-118.4 ml) Add to spray solution at point of greatest agitation	

✓ Case 12 quarts (11.4 L)



INCIDE-OUT™

Spray Tank Cleaner

PRINCIPAL FUNCTIONING AGENTS

Organic Amine, Inorganic Hydroxides, Surfactants and Formulation Aids.....100% All ingredients are approved for use under CFR 40, 180.1001(c)

✓ INCIDE-OUT is a DUPONT[™]-approved liquid spray tank cleaner, formulated to bond pesticide residues to the rinse water solution for complete purging. Because rinsate may be sprayed on growing crops it is important to use a spray tank cleaner that is approved for use on growing crops. INCIDE-OUT is approved for this use.

USE RATES

- ✓ Use one quart (0.94 L) per 100 gallons (378.5 L) of clean water.
- ✓ Case 12 quarts (11.4 L)





REGREEN

TURFGRASS COLORANT

 REGREEN is a nonphytotoxic, permanent colorant specifically formulated to impart a long-lasting, natural green color when applied to dormant and nondormant turf grasses.

USE RATES

 \checkmark Use rates will depend on grass specie, mowing height and desired color.

Dormant Turf:

✓ Apply 4 gallons of REGREEN with 31 - 35 gallons of water for a total spray volume of 35 - 40 gallons per acre.
 ✓ (15.14 Liter - 132.5 liter water - 4046 sq.mtr)

Non Dormant Turf:

✓ Apply 2.75 gallons of REGREEN with 40 - 54 gallons of water for a total spray volume of 43 - 57 gallons per acre. (10.4 liter - 151.4 liter water- 4046 sq.mtr)

✓ Case 5 US Gallons (18.9 L)





✓ Ryder is high concentrated Turf pigment that does not wash off after application by rain or irrigation water

USE RATES

Turf Mowing Height under 12 mm. apply 0.75 -1.5 Liter/Ha in of Ryder in 250-500 Liter water. Use higher rate for deeper color

<u>Turf Mowing Height above 12 mm</u>. apply 1.00 -2.00 Liter/Ha in of Ryder in 250-500 Liter water. Use higher rate for deeper color

- ✓ <u>Apply using Syngenta XC Nozzle operated at 50 cm height boom. Apply in 2 different direction each at half rate to achieve better results</u>
- ✓ Case 12 X 1Liter



AquaLock[™]

Turf & Ornamental Anti-Transpirant

PRINCIPAL FUNCTIONING AGENTS	
Proprietary Blend of Polymeric Surfactants	
Water	<u>70%</u>
TOTAL	100%

- ✓ AQUALOCK is a unique wax dispersion that forms a thin, flexible, water-repellent layer on plant surfaces.
- ✓ AQUALOCK protects plants against drought, extreme temperatures, wind and sun. The water-based formulation can extend the shelf life of ornamental crops, cut flowers and Christmas trees by minimizing moisture lost to transpiration.
- Turf: Apply AQUALOCK at the rate of 2 to 8 ounces (59 to 236 ml) in 1 to 2 gallons (3.78 to 7.57 L) of water per 1000 square feet (92.9 m2) of turf grass.
- ✓ Ornamentals: Apply AQUALOCK at the rate of 4 to 8 ounces (118 to 236 ml) in 1 gallon (3.78 L) of water. Make additional applications of AQUALOCK on an as needed basis.
- ✓ Case 5 US Gallons

PRECISE POND[™]

Nutrient and Sludge Metabolizer (WSP)



PRECISE POND is a proprietary blend of enzymes, facultative and non-facultative bacteria formulated to metabolize nutrients in the water column and accelerate the breakdown of partially decomposed organic matter, thus reducing algae while decomposing waste and sludge in lake and pond bottoms.

APPLICATION USE RATES

Initial Dosage Application Rates

✓ Initial dosage will require <u>3-6 lbs. per surface acre of water</u>. Apply 6 lbs. per surface acre of water for severely degraded or highly eutrophic ponds.

<u>Trophic Status</u>	Water Quality	<u>Total Phosphorus</u>	Application Rate(lb./sur.acre)
Oligotrophic	Clean, clear water	>0.019 ppm	0
Mesotrophic	Semi-clear water	0.020-0.079 ppm	3
Eutrophic	Light limited	0.080-0.390 ppm	4-5
Hypereutrophic	Pea soup green	≥0.400 ppm	6

✓ Case of 24x8 oz (12 lbs)







Granular organic and Chemical Fertilizer - Greens and Fairway Grade



- ✓ Greens/Fine Grade granular Fertilizer SGN 100 (0.6-1.4 mm) particle size
- ✓ 50% Organic Material
- ✓ Contain Ca 1% and Fe 2%
- $\checkmark~80\%$ Slow release N from Aerobically derived organic N and MU
- ✓ 20% faster Greenup from WS fertilizer
- ✓ App rate 50 gram/sq.mtr (500 Kg/Ha) every 30-45 days
- ✓ Don't require water-in after application
- ✓ Bag 50 lbs = 22.68 kg

BOLSTER GRANULAR 4-4-4 Plas 3 Fe Fine Grade

- ✓ Greens/Fine grade granular fertilizer- SGN 100
- ✓ Contain 50% Organic Material
- ✓ Contain 3% Fe
- ✓ Contain 3% Humic acid and 1 % Seaweed extract from Asc. nodosum
- Contain VAM (Vesicular Arbuscular Mycorrhizae) endo Mycorrhizae for faster root development and access to water and nutrients in soil
- $\checkmark\,$ Perfect for pre planting and post planting during renovation
- ✓ Apply 25-50 lbs /1000 sq.ft (11.3-22.68 Kg/92.9 sq.mtr)
- ✓ Bag 50 lbs = 22.68 kg





- Available in Greens Grade Granular Fertilizer -SGN 100 0.6-1.4 mm and Fairway Grade Granular Fertilizer -200
 SGN 2-4 mm Organic Granular Fertilizer
- ✓ Certified for organic Framing by OMRI
- ✓ 80% Slow release organic N
- ✓ Conation Ca 4%, Humic Acid 7%
- ✓ Contain 50% Organic Material.
- ✓ Contain all TE in Mg 1%-S 3%-Fe 0.5%- Mn 0.05%-Zn 0.05%- B 0.05%-Mo 0.05%- Cu 0.05%
- ✓ App rate 12.5 gram/sq.mtr -1 Bag 50 lbs (22.68 kg cover 186 sq.mtr @ 0.5 Kg N 100.sq.mtr)
- ✓ Bag 50 lbs = 22.68 kg

7-2-20 Hi-K Fairway SUSTĂNE® PLUS UMAXX® MINI GRADE 150 SGN 3.5% SLOW RELEASE & STABILIZED NITROGEN

- ✓ Mini grade Granular Fertilizer -SGN 150 1.4-2 mm particle size
- $\checkmark\,$ Ideal formulation for Pasplaum turf grass
- ✓ Contain Fe 2%, Ca 2%, Mg 0.5%, S 8.5%
- ✓ Contain 50% Organic Material
- ✓ 3% Slow release stabilized N UMAXX Technology
- ✓ Application rate 35 gram/sq.mtr (350 Kg/Ha) @ 25 N/Ha
- ✓ Bag 50 lbs = 22.68 kg

SUSTANE[®] 16-8-8 NATURAL BASED

BLENDED PROFESSIONAL TURFGRASS FERTILIZER

Sustane Organic + Professional Fertilizers

- ✓ Fairway Grade Granular Fertilizer SGN 200 1.4-2.8 mm
- ✓ Contain organic material 50%
- ✓ Contain Ca 2%
- ✓ Application rate 35 gram/sq.mtr (350 Kg/Ha @ 50 kg N /Ha)
- ✓ Bag 50 lbs = 22.68 kg



Profurf 12-5-20+2.0CaO+2.0MgO 12-2.2-16.6+1.4Ca+1.2Mg

- $\checkmark~25\%$ Slow release N chemical fertilizer -Poly S Coated technology
- ✓ Contain CaO 2%, MgO 2%, SO3 21 %
- ✓ Mini grade fertilizer 1.0-2.5 mm particle
- $\checkmark\,$ Homogeneous granular 200 granule per 1 gram
- $\checkmark\,$ Turf response within 7 days
- ✓ Application rate 20-25 gram/sq.mtr every 60 days
- ✓ Bag 25 Kg





- ✓ 25% Slow release N chemical fertilizer -Poly S Coated technology
- ✓ Contain CaO 2.5 %, MgO 2.5 %
- ✓ Mini grade fertilizer 1.0-2.5 mm particle
- ✓ Homogeneous granular 290 granule per 1 gram
- ✓ Turf response within 7 days
- ✓ Application rate 20-35 gram/sq.mtr every 60-90 days
- ✓ Bag 25 Kg





DESCRIPTION: A PREMIUM TURF FERTILIZER WITH UMAXX[®] STABILIZED NITROGEN FOR LONG LASTING DEEP GREEN COLOR!

- ✓ Fairway Grade SGN 250 2.0-4.0 mm granule size
- ✓ 16.5 % Stabilized N UMAXX Technology
- ✓ Contain S 10%, Fe 1.6%, Mn 0.3%
- ✓ Homogeneous granule size
- $\checkmark\,$ Turf response can last for 12 weeks
- ✓ App rate 22.4 gram/sq.mtr (224 Kg/Ha @ 64 Kg N/Ha)
- \checkmark Irrigate thoroughly after application
- ✓ Bag 50 lbs = 22.68 kg



Pro Start 16-24-10

DESCRIPTION: A HIGH PHOSPHATE/CONTROLLED RELEASE PRE-PLANT(Starter) FERTILIZER with X-Cote™ Polymer-Coated Sulfur-Coated Urea

- ✓ Fairway grade SGN 250 2.0-4.00 granule size
- ✓ Pre-Post plant Fertilizer
- $\checkmark~7.0~\%$ Slow release N X Cote technology that provide N release up to 10 weeks
- ✓ Contain 2:3:1 NPK Ration with high P for rapid plant establishment
- \checkmark Industry-standard for turf pre plant and renovation application
- ✓ Contain S 3.5%, Fe 0.75%
- ✓ Application rate 30.8 gram/sq.mtr (308 Kg/Ha @ 171 P2O5 Per Ha)
- ✓ Bag 50 lbs = 22.68 kg





DESCRIPTION: A CONTROLLED-RELEASE FERTILIZER THAT IS IDEAL FOR PRE- AND POST-PLANT APPLICATIONS.

- ✓ Fairway grade SGN 250 2.0-4.0 mm granule size
- ✓ Pre/post plant Fertilizer
- ✓ 30 % Slow release N X Cote Technology
- ✓ Contain S 5.5%, Fe 1%
- ✓ Provide N release up to 10 weeks
- \checkmark Ideal for pre and post plant fertilization
- ✓ App rate 39.2 gram/sq.mtr (392 kg/Ha @ 61.2 kg N /Ha)

Essential	
Essential Traces Granular Fertilizer NPK 0-0-14 + Mg 7.15%+ Mn 6%+ Zn 4%	
✓ The only greens grade granular 14% K+ 7.15 % Mg+ 6% Mn+ 4% ZN	
✓ Dr. Ronnie Duncan recommended formula for Turf grass in Gulf region based on Granular Mn+Zn+Mg+K	
✓ Granular Greens grade 1-2 mm particle size in granular form	
✓ Application rate 100 kg/Ha every 60 days	
✓ Irrigate after application	
I ✓ Bag 25 kg	
✓ Origin UK	



- ✓ The only granular greens grade 100% pure Ascophyllum nodosum Irish seaweed fertilizer
 ✓ Contain 77% OM, N 0.64%, P 0.15%, K 1.28%, S 1.25, Ca 0.71%, Mg 0.76%
- Contain natural alginate 16-26% which is essential food source for beneficial microbial activity to breaks down nutrients and increase water holding capacity of the soil.
- \checkmark Application rate pre and post planting 25-75 Kg/500 sq.mtr based on soil structure.
- $\checkmark\,$ Ideal for greens and tees renovation and after verticutting
- ✓ Bag 25 kg

Poly s k mg ca sulphate

0

14%

17%

48 %

6%

✓ Polysulphate S-K-Mg-Ca Mass percent composition (%):

Total nitrogen (N)
Total phosphorus (P_2O_5) ,
Total potassium oxide (K ₂ O),
Total Magnesium Oxide(MgO)
Total Calcium Oxide (CaO)
Total Sulphur Oxide (SO3)

- \checkmark Formulation : Granular
- \checkmark Good source K, Mg, Ca, and S
- \checkmark Ideal for saline, sodic and high pH soil or when irrigating with high salt TSE water.
- $\checkmark\,$ Certified OMRI product for organic farming
- ✓ Applicating rate 200-300 Kg/Ha every 3 months
- ✓ Bag 25 kg

Nursery, Shrubs, Ground covers, Trees Fertilizer



BEST TABS[®] 20-10-5

DESCRIPTION: CONTROLLED-RELEASE FERTILIZER TABLETS FOR PROFESSIONAL USE

- $\checkmark\,$ The only fertilizer tablets avail in the GCC Market
- ✓ Tablet size 21 gram/ 500 tabs/Case
- ✓ Each tab contain NPK 20-10-5 + Ca 2.2%, Mg 0.5%, S 2%, Fe 0.5%, Cu 0.05%, Mn 0.05%, Zn 0.05%
- ✓ Application rate 2 Tabs per each 0.5 inch of plant trunk diameter , or 2 tablets per each 1-1.5 inch of trunk height
- ✓ Carton 500 Tabels X 21 Gram

Soluble Fertilizer



 $\checkmark\,$ Fe chelated in EDDHA form

Iron (Fe):

4.0%

- $\checkmark\,$ Contain chelated Iron in EDDHA form
- $\checkmark\,$ Available to plant in wide range of soil pH 4-10 $\,$
- $\checkmark~100\%$ soluble mirco granulation form
- ✓ Homogenuous micro granulation form (95% < 0.5 mm particle size)</p>
- ✓ App rate 2-5 Kg/Ha in 500 liter water
- ✓ Bag 1 kg (20 X 1 Kg /Carton)
- ✓ Origin : Germany





 \checkmark All-in-one micro nutrients chelated in EDTA form

Magnesium oxide (MgO):	1.0%
Boron (B):	1.4%
Copper (Cu):	0.7%
Iron (Fe):	4.0%
Manganese (Mn):	3.2%
Molybdenum (Mo):	0.05%
Zinc (Zn):	3.8%

✓ App rate 2-5 Kg/Ha in 500 liter water
✓ Bag 1 kg (18 X 1 Kg /Carton)
✓ Origin : Germany

Ferrous Sulfate Heptahydrate (FeSO₄•7H₂O)

✓ 98% pure FeSO4.7H2O

- ✓ Fe 19.8%
- \checkmark 100% soluble powder that don't block sprayer nozzle.
- ✓ Anti-caking agent
- \checkmark Cheapest source of iron application in large turf area
- ✓ Application rate 10-20 kg/500-1000 liter water/Ha
- ✓ Bag 25 kg

Magnesium Sulphate Heptahydrate

- ✓ 99% pure MgSO4.7H2O
- ✓ Mg 9.8%
- $\checkmark~100\%$ soluble powder that don't block sprayer nozzle.
- ✓ Anti-caking agent
- $\checkmark\,$ Cheapest source of Mag application in large turf area
- ✓ Applicating rate 50-100 kg/500-1000 liter water/Ha
- ✓ Bag 25 kg



مونو هيدرات كبريتات المنجنيز Manganese Sulphate Mono Hydrate

التركيب : سماد باودر قابل للذوبان Formulation: Soluble powder Fertilizer

- ✓ 98% pure MnSO4.H2O
- ✓ Mn 31.8%
- $\checkmark~100\%$ soluble powder that don't block sprayer nozzle.
- \checkmark Anti-caking agent
- $\checkmark\,$ Cheapest source of Mn application in large turf area
- ✓ Applicating rate 20-50 kg/500-1000 liter water/Ha
- ✓ Bag 25 kg

هيبتا هيدريت كبريتات الزنك Zinc sulphate Heptahydrate

التركيب: سماد باودر قابل للذوبان Formulation: Soluble powder Fertilizer

- ✓ 92.3% pure ZnSO4.H2O
- ✓ Zn 21 %
- $\checkmark~100\%$ soluble powder that don't block sprayer nozzle.
- ✓ Anti-caking agent
- $\checkmark\,$ Cheapest source of Mn application in large turf area
- ✓ Applicating rate 50 kg/500-1000 liter water/Ha
- ✓ Bag 25 kg


Nordfert 20-20-20 + microelements

✓ NPK 20-20-20 + Micro nutrients-	Water soluble
Mass percent composition (%):	
Total nitrogen (N)	20
\circ Ammoniacal nitrogen (NH ₄ -N)	1,6
\circ Ureic nitrogen (NH ₂ -N)	18,4
Total phosphorus pentoxide (P_2O_5) ,	20
Total potassium oxide (K_2O) ,	20
Water soluble potassium oxide (K_2O)	
Microelements:	
Boron (B)	0,025
Copper (Cu)	0,015
Iron (Fe)	0,050
Manganese (Mn)	0,040
Molybdenum (Mo)	0,001
Zinc (Zn)	0,030
(European Ouelity, Istals standard	المعادية المراجع المادية

- ✓ European Quality, high standard soluble fertilizer
- \checkmark 100% soluble powder with anticaking agent.
- ✓ Cheapest source of NPK+ Micro for Fairway and rough turf area
- ✓ Applicating rate 5-10 kg/300-500 liter water/Ha

Nordfert 28-14-14 + microelements

✓ NPK 28-14-14 + Micro nutrients- soluble powder

Mass percent composition (%):	
Total nitrogen (N)	28
• Ammoniacal nitrogen (NH_4 -N)	2,76
• Nitric nitrogen (NO ₃ -N)	3,9
• Ureic nitrogen (NH_2 -N)	21,34
Total phosphorus pentoxide (P_2O_5) ,	14
Total potassium oxide (K_2O) ,	14
Microelements:	
Boron (B)	0,025
Copper (Cu)	0,015
Iron (Fe)	0,050
Manganese (Mn)	0,040
Molybdenum (Mo)	0,001
Zinc (Zn)	0,030
	1.1.1.1.1

- $\checkmark\,$ European Quality, high standard soluble fertilizer
- $\checkmark~100\%$ soluble powder with anticaking agent.
- ✓ Cheapest source of NPK+ Micro for Fairway and rough turf area
- ✓ Applicating rate 10 kg/300-500 liter water/Ha

Nordfert Urea Phosphate

✓ Nordfert Urea Phosphate

Mass percent composition (%):	
Total nitrogen (N)	17%
Ureic nitrogen (NH ₂ -N)	17%
Total phosphorus pentoxide (P_2O_5) ,	44%
Water soluble phosphorus pentoxide (P_2O_5)	

Formulation: Soluble Powder: N-P-0

European Quality, high standard soluble fertilizer
 Good source N and P in 100% soluble format

✓ Applicating rate 3-5 Kg/200-400 liter water/Ha

Granular Soil Conditioner

SuperCal SO4

- ✓ 94% Pure Gypsum Calcium sulphate dihydrate
- ✓ Calcium sulphate dihydrate is more soluble and avail to plant than Calcium sulphate anhydrate- Ag Gypsum- which is 2-3 X times less soluble/avail to plant
- ✓ Ca 21.9 % S 17.8 % (92% Cal sulphate dihydrate)
- ✓ Granular Greens grade
- $\checkmark~85\%$ of Supercal SO4 pellets passing 100 mesh and 73% passing 200 mesh,
- ✓ Applicating rate 490 kg/Ha
- ✓ Bag 50 lbs 22.68 kg



- ✓ 70% gypsum Calcium sulphate anhydrate
- ✓ Ca 17 % S 15 %
- ✓ Granular Fairway grade
- ✓ Applicating rate 500-1000 kg/Ha
- ✓ Bag 25 kg



PROFILE® POROUS CERAMICS

- ✓ Non organic, calcined, non-swelling illite clay and non-crystalline opal CT mineral soil conditioner.
- $\checkmark~74\%$ porosity (39% Capillary and 35 Non capillary).
- ✓ 93% Water Holding Capacity.
- ✓ CEC 33.6 meq/100 gram
- ✓ Bulk density 593 kg/1 cu.mtr
- ✓ PPC increases the water and nutrient holding pores as well as increasing the air and drainage pores permanently improving most soils.
- $\checkmark\,$ Ideal for pre plant turf establishment and top dressing
- $\checkmark\,$ Avail in greens grade and fairway grade
- ✓ Application rate 22.67 kg/ 100 sq.mtr
- ✓ Bag 50 lbs = 22.68 kg

Liquid Foliar Fertilizer

Green Speed Si (0-2-5)

- ✓ 7% K Silicate with phosphite +2 % Humic acid + NPK 0-2-5
- ✓ Liquid formulation
- \checkmark Strength turf blades, promote turf turgidity,
- $\checkmark\,$ Increase resistance to disease and pest, reduce heat and drought stress
- $\checkmark\,$ Better ball roll and minimum ball mark
- ✓ Better cut
- \checkmark Better applied in regular program, or before heavy traffic before tournaments or heat stress
- ✓ Application rate 95-127 ml/ 11.3 liter water/100 sq.mtr (11 liter/1000 liter/Ha)
- ✓ Apply every 2-3 weeks
- ✓ Case 16 liter
- ✓ Origin USA



- ✓ Fe 5%, S 2%, Seaweed extract (Asco.nodosum) 2% + Humic acid 4%
- ✓ Foliar fertilizer
- ✓ Application rate 9 liter/500 liter water/Ha
- ✓ Apply every 45-60 days
- ✓ Case 5 US Gallon 18.9 liter
- ✓ Origin USA



- ✓ Fe 6%, S 3.5 %, N 15% + Mn 2%
- ✓ Foliar liquid fertilizer
- ✓ Faster green up
- $\checkmark\,$ Ideal for tournament preparation
- ✓ Application rate 9 -15 liter/500 liter water/Ha
- ✓ Apply every 21-30 days
- ✓ Case 16 liter
- ✓ Origin USA





- ✓ 100% Phosphite , 29% P2O5 + 26% K2O
- ✓ pH 6.5%
- $\checkmark\,$ Can be applied Foliar or to soil
- ✓ Improve root development/root Mass,
- ✓ Reduce stress
- \checkmark Increase photosynthesis and aid in bloom setting in seasonal, shrubs and trees
- ✓ Application rate 9-14 Liter/500 liter water/Ha every 14-30 days
- ✓ Case 16 liter
- ✓ Origin USA

LIQUID SEAWEED SUPERIOR 20

ATLANTIC

SEAWEED

- ✓ 100% pure Irish seaweed extract from Asc.nodosum
- ✓ NPK 10-2-5

100000 EED

- ✓ Liquid foliar fertilizer
- ✓ Contain all natural elements of seaweed
- ✓ Application rate is 5 -7 liter/500 liter water/Ha every 21-30 days
- ✓ Case 10 liter
- ✓ Origin Ireland





100% NATURAL SOIL AMENDMENT And ROOT STIMULATOR With

21 L-AMINO ACIDS

- ✓ NPK 1-0-1 + Fe 0.29%
- Contain 21 amino acid, Seaweed, Humic (From Leonardite), Alginin, Carbohydrates, Kelp extract (Asc.Nodosum and Ecklonia maxima), vitamins and enzymes
- ✓ Improve soil structure, provide food for soil microorganism, stimulate root and foliage growth
- $\checkmark\,$ Contain more nutrients and plant natural food THAN any other fertilizer
- ✓ Certified bio based product in USA
- ✓ Application rate 8-11 liter/500 liter water/Ha every 30 days
- ✓ Case 16 Liter
- ✓ Origin USA

Nordfert 12%CaO+4%MgO

Extracted from Calcium nitrate and Magnesium nitrate -liquid

✓ Nordfert Ca Mag (12% MgO + 4 % MgO)
 Volume percent composition (w/v %):

Total nitrogen (N)	8,6
Nitric nitrogen (NO ₃ -N)	8,6

<u>Secondary nutrients (w/v %):</u>	
Total calcium oxide (CaO)	12
Total magnesium oxide (MgO)	4

Density: 1.4 g/ml Liquid: N-0-0+CaO+MgO

- $\checkmark\,$ European Quality, high standard liquid fertilizer .
- \checkmark Formulation is liquid.
- \checkmark Cheapest source N, Ca and Mg for Fairway and rough turf area
- ✓ Applicating rate 4 liter/300-500 liter water/Ha
- ✓ Case 20 liter

Nordfert KSI44

Potassium fertilizer Liquid

✓ Nordfert KSI 44
 Volume percent composition (%):

Total potassium oxide (K_2O) 33,6Water soluble potassium oxide (K_2O) 33,6

Micronutrient: Silicon (SiO₂)

31,9

- \checkmark Formulation is liquid.
- $\checkmark\,$ Good source Potassium and Silicate for Fairway and rough turf area
- ✓ Applicating rate 1-1.5 liter/200-400 liter water/Ha
- ✓ Case 20 liter

Nordfert HumiCare 22%

Organic fertilizer Liquid

✓ Nordfert Humicare 22%
 Volume percent composition (%):

Total nitrogen (N)	3,6
Ureic nitrogen (NH ₂ -N)	3,6
Total potassium oxide (K ₂ O),	4,8
water soluble	
Total Humic acid	22,0
Total Fulvic acid	4,8

Density: 1.2 g/ml

- $\checkmark\,$ European Quality, high standard liquid fertilizer .
- ✓ Formulation is liquid.
- $\checkmark\,$ Good source N, HA and FA for Fairway and rough turf area
- ✓ Applicating rate 10-15 liter/200-400 liter water/Ha
- ✓ Case 20 liter (suggested selling price is 180 AED/Case, Cost per Ha @ 15 liter rate is 135 AED)

Soil surfactant and pH/Na/Bacarb agent



- \checkmark 2-in-1 Soil agent that combine penetration and hydration polymer-based agent
- ✓ Move more irrigation water down the soil and hold 21% @ 4-6 cm depth and 17% @10-12 cm depth in root zone
- $\checkmark\,$ Move water deeper, maintain plant health, more root mass
- ✓ Prevent LDS
- ✓ Application rate 20 liter/500 liter water/Ha, monthly
- ✓ irrigate immediately after application
- ✓ Case 2X 10 liter
- ✓ Origin: UK







$\checkmark\,$ Hydration and infiltration agent

- ✓ Reduce LDS,
- \checkmark improve uniformity of irrigation water distribution,
- ✓ Improve irrigation water efficiency
- ✓ Apply to wet soil and follow application with 15 min of irrigation cycle
- ✓ Application rate 18 liter/500-700 liter water/Ha every 30-60 days
- ✓ Case 5 US Gallon (18.9 Liter)
- ✓ Origin USA



Vivax HYDRATION & INFILTRATION

$\checkmark\,$ Hydration and infiltration agent

- ✓ Reduce LDS,
- \checkmark improve uniformity of irrigation water distribution,
- $\checkmark\,$ Improves soil solubility and soil hydration
- Contains four surfactant technologies Effective across a wide range of soil conditions

PRECISION

LABORATORIES

- ✓ Application rate 15.9 liter/500-700 liter water/Ha every 21-30 days
- ✓ Case 5 US Gallon (18.9 Liter)
- ✓ Origin USA

Vivax[™] Tabs





- ✓ VIVAX TABS is a unique blend of 4 surfactant technologies designed to increase water infiltration, improve water retention, provide a rescue treatment for localized dry spot (LDS).
- ✓ Best to be used alone or as part of a comprehensive water management program with products such as Cascade plus Vivax Infiletration

APPLICATION RATES

 ✓ 1 tablet (6 Oz = 170 gram) will cover approximately 12,000-18,000 square feet (1,115-1,672 m2) of turf. Severity of localized dry spot, water temperature, water pressure and application technique may cause coverage to vary. Each EZ-TAB will last approximately 40 minutes.

✓ Case of 24 Tablets (6 oz = 170 g)

CASCADE PLUS 16G

DEPTH SPECIFIC SOIL SURFACTANT

CONTAINS NON-PLANT FOOD INGREDIENT(S)

✓ The only Granular form Hydration and infiltration soil surfactant/penetrant agent

Cascade^{Plus} 16G

Longer Lasting

Water Infiltration

- ✓ Reduce LDS, reduce Hydrophobicity
- \checkmark improve uniformity of irrigation water distribution,
- ✓ Improve irrigation water efficiency
- ✓ Ideal for long term effect and hard to reach/apply liquid areas
- \checkmark Apply to dry soil and follow application with 15 min of irrigation cycle
- ✓ Application rate 172 Kg/Ha for split rate or 345 kg/Ha for 1 App
- ✓ Above rate will control LDS for 4-6 months
- ✓ Case bag 42 lbs (19 Kg)
- ✓ Origin USA



- ✓ Soil and Water infiltration /penetrant agent applied with Irrigation water.
- \checkmark DISPATCH improves the infiltration and penetration of applied irrigation water. It can be applied to all fine turf species.
- ✓ Reduce LDS, reduce Hydrophobicity
- \checkmark improve uniformity of irrigation water distribution, reduce runoff on slopes up to 20%
- ✓ Improve irrigation water efficiency (Tests show up to 50% reduction in water use in warm season turf)
- \checkmark Application rate 1-2 L/Ha on a weekly basis. Difficult Areas can receive up to 3.6 L/Ha
- ✓ Case 20 liter
- ✓ Origin USA

Aqua-pHixTM Hydro & Spray Formula

- \checkmark pH, Sodium and Bicarbonate reducing/flushing agent
- ✓ Contain Hydro Acid 10%, Phosph Acid 10%+ Oxalic Acid 1% + Citric acid 1% + 78% Water
 ✓ pH 1
- ✓ Liquid formula
- ✓ Application rate depend on pH or Bicarbonate level in soil. Therefore soil test is a must to determine the appropriate application rate- see below
- ✓ Case 5 US Gallon (18.9 Liter)
- ✓ Origin USA

	CAL HYDRAULI		water: 1 part Aqua-pHix
рН	gal/ac	I/ha	¹ Rates in excess of 10 gallons
≥ 1 0	Contact manufa specific site recom		per 3,000 gallon tank requires that the Aqua-pHix be applied alone without seed.
≥ 9.3 & < 10 ¹	20	187.08	
≥ 8.6 & < 9.3	10	93.54	² All calcareous soils require
≥ 8.0 & < 8.6 ²	5	46.77	a minimum of 10 gallons per acre to modify the soil
≥ 7.3 & < 8.0	2.5	23.38	solution appropriately.

TYPICAL SPRAY APPLICATION RATES

Bicarbonate ppm	gal/ac	I/ha
≥ 25 & < 75	1	9.35
≥ 75 <mark>&</mark> < 150	2	18.71
≥ 150 & < 250	4	37.42
≥ 250 & < 350	6	56.12
≥ 350 & < 425	8	74.83
≥ 425 & < 475	9	84.19

Ideal dilution rate 50 parts water: 1 part Aqua-pHix

Minimum dilution rate 25 parts water: 1 part Aqua-pHix

Aqua-pHix^m Granular Formula

- ✓ pH, Sodium and Bicarbonate reducing/flushing agent
- ✓ Granular formula
- ✓ Contain Hydro Acid 1%, Phosph Acid 1%+ Oxalic Acid 0.1% + Citric acid 0.1% + 79.8% Calcined Clay
- $\checkmark\,$ Ideal for top dressing, renovation
- ✓ Application rate depend on pH or Bicarbonate level in soil. Therefore soil test is a must to determine the appropriate application rate- see below
- $\checkmark\,$ Irrigate immediately after application to field capacity
- ✓ Bag 50 lbs (22.68 kg)
- ✓ Origin USA

50 Bicarbonate ppm	2.5 lbs / 1,000 ff
100 Bicarbonate ppm	5 lbs / 1,000 ft ²
200 Bicarbonate ppm	10 lbs / 1,000 ft2
300 Bicarbonate ppm	15 lbs / 1,000 ft2
400 Bicarbonate ppm	20 lbs / 1,000 ft ²
450 Bicarbonate ppm	22.5 lbs / 1,000 ft ²

Adjuvant and pH Reducer

PH REDUCER A CITRIC ACID SOLUTION

- ✓ Citric Acid 50% + wetting agent 0.0025%
- ✓ Organic based
- $\checkmark\,$ Soil and water pH Reducer
- ✓ Control Algae
- ✓ Soil application Apply monthly at rate of 12-15 liter/ 800 liter water/Ha
- ✓ Case 16 Liter
- ✓ Origin USA
- ✓ Cost Per App 375AED/Ha @ 15 L/Ha rate

Natural cereal based adjuvant containing patented Biocar® technology

- ✓ TopFilm™ is a natural-based suspension (not a surfactant), that contains Micro sponge™ technology called Biocar® made from cereal grain materials
- ✓ Has a Statement for Organic Use & for Sustainable Agriculture
- ✓ Increase rain fastness
- ✓ Reduce wash off
- $\checkmark\,$ Increase solution contact with leaf and plant tissue
- $\checkmark\,$ Registered in Europe with the PSD #A0670
- ✓ Recommended on Monsanto Round-up Pro Bioactive Label
- ✓ Apply at rate of 0.3-1.2 liter/450-1000 liter solution/Ha
- ✓ Case 5 US Gallon (18.9 Liter)
- ✓ USA
- ✓ Cost Per App 108 AED/Ha @ 1.2 L/Ha rate

Adigor[®] Spray Adjuvant



- ✓ ADIGOR is a blend of surfactant and methylated canola oil required for use with Manuscript Herbicide and other post emergent herbicide such as Monument . ADIGOR improves the reliability of weed control.
- When using with Manuscript, add to spray tank at the rate of 500 mL/100 L water. If using low water volumes (100 L water/ha or less) use a minimum of 500 mL/ha ADIGOR Increase rain fastness
- ✓ Reduce wash off
- $\checkmark\,$ Increase solution contact with leaf and plant tissue
- $\checkmark\,$ Apply ADIGOR up to a maximum of 1% concentration of the total spray volume.
- $\checkmark\,$ Follow the statutory condition of use of the plant protection product.
- ✓ Case 12 X1 Liter
- ✓ Origin USA

Insecticides



- ✓ A.I : Chlorantraniliprole 18.4%
- \checkmark Formulation : suspension concentrate SC
- ✓ Systemic foliar insecticide
- $\checkmark\,$ Can be applied foliar or to the soil. A.i will translocate thru root upward
- \checkmark When applied to soil, apply as early preventive as upward translocation may take up to 60 days.
- ✓ Preventive and early curative
- Target pests, White Grubs, caterpillars(Army worm, cutworm, sod webworm), Chinch bugs, bill bugs, weevils
- ✓ Apply at rate of 1170 ml/Ha for white grub control. Apply early as preventive and early curative (April/May)
- ✓ Don't exceed 2800 ml/Ha per season
- ✓ Tanks Mix, Acelepryn can be tank mixed with most pesticide. (WS,DG,WP, SC,L, Oil, EC, Adjuvant)
- ✓ Packing 1 Liter
- ✓ Origin USA

GROUP 4A INSECTICIDE

PULL HERE TO OPEN

SMeridian[®]25WG

- ✓ A.I : Thiamethoxam 25%
- ✓ Formulation : wettable granules WG
- ✓ Systemic foliar insecticide
- ✓ Can be applied foliar or to the soil. A.i will translocate thru root upward
- \checkmark When applied t soil, apply as late preventive.
- $\checkmark\,$ Late Preventive and curative
- Target pests, White Grubs, caterpillars(Army worm, cutworm, sod webworm), Chinch bugs, bill bugs, weevils, mole cricket, mealy bugs, aphids, thrips, whiteflies, leaf minors
- ✓ Apply at rate of 1243 gram/Ha.
- ✓ For Fire ant mound, prepare solution of 90 gram/40 liter and drench @ 11 Liter /Mound in center and 6 inch around
- ✓ Tanks Mix, Meridian can be tank mixed with most pesticide. (WS,DG,WP, SC,L, Oil, EC, Adjuvant)
- ✓ Packing 1 Kg
- ✓ Origin USA



Red Palm Weevil Tree Micro Injection

"Building Aretor"

- ✓ A.I : Emamectin Benzoate 9.7%
- ✓ Formulation : Micro Emulsion
- \checkmark For preventive and curative control of red palm weevil larvae in tree trunk .
- ✓ For exclusive use by Tree Micro Injection devise by Syngenta
- ✓ Drill 4 perpendicular holes in lower 1/3 part of date palm tree trunk using 6 mm drill pit. The holes depth must be less than the 1/3 diameter of tree trunk. Mark the holes with the red wood markers for easy identification.
- \checkmark Use Aretor un diluted. Mount Aretor on the TMI devise, after calibrating the devise.
- \checkmark Inject pre calculated 6 mm of Aretor inside each hole and plug in the hole after application
- ✓ Application rate : 5.25 ml/holes X 4 holes = 21 ml per tree trunk.
- Aretor will provide 12 month prevention against Red Palm Weevil and cure the Date palm tree if it infected as well (research indicate that curative treatment saved date palm tree with up to 70% RPW infection
- ✓ Packing 1 liter
- ✓ Origin Switzerland




Syngenta TreeCare now available in UAE through exclusive distributor Polyclean!

The Ultimate solution against Red Palm Weevil **Micro Injection Treatment**

In Under 6 minutes through a trained technician for a 12 month protection

Exclusive Distributor in UAE 0503828185 - 0505837137 - 0506359026

syngenta





Nematicides

GROUP 6 INSECTICIDE



- ✓ A.I : Abamectin 8%
- ✓ Formulation : Suspension Conc.
- \checkmark For control of parasitic nematode in golf courses, greens, tees, fairways
- \checkmark Apply as seasonal program and in early curative after nematode count and test is done
- ✓ Multiple/sequential application is required before your observe turf improvement
- ✓ Use nozzle that produce extremely coarse droplet
- $\checkmark\,$ Use of soil surfactant and soil wetting agent is recommended
- ✓ Apply at rate of 228.5-457.0 ml/Ha @ 14-21 days interval, or 457-914.00 ml/Ha @ 21-28 days interval
- \checkmark Tanks Mix compatibility with Heritage maxx, subdue, headway and banner. Do Jar test for any other mixes
- ✓ Packing 1 liter
- ✓ Origin USA

Turf & Plant Growth Regulator





- ✓ A.I : Trinexapac Ethyl 11.3%
- ✓ Formulation : micro emulsion concentrate MEC
- Primo block GA production (Growth hormone) in last stage of GA cycle. Grass continue to grow lateral and thru
 root rather than vertical
- \checkmark foliar uptake, Rain fastness within 1 hour, no need to water-in after application
- ✓ Voted #1 TGR by GC Supt.
- ✓ Reduces vertical growth, reduces mowing frequency, increase turf density, increase turf color, increase turf quality, enhance roots growth, reduce water and enhance draught tolerance
- ✓ Application rate : see below. In summer with Temp > 30 C, reduce interval between application
- Tanks Mix, Primo can be tank mixed with most pesticide/Fertilizer. (WS,DG,WP, SC,L, Oil, EC, Adjuvant)
- ✓ Packing 1 liter
- ✓ Origin USA

Typical Primo Maxx Greens Programme Frequently applied at low rate





Typical Primo Maxx Greens Programme Frequently applied at low rate





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si Bonzi

- ✓ A.I : PACLOBUTRAZOL 0.39% W/W
- ✓ Formulation : Aqueous solution
- $\checkmark\,$ Plant growth regulator (PGR) .
- ✓ A Bonzi® plant growth regulator (PGR) drench is an excellent height management tool. Bonzi drenches should be applied 3 to 4 weeks before finishing to minimize undesired stem elongation.
- Bonzi is labeled for multiple application. Methods to provide versatility and flexibility. It can be applied as a spray, drench or pre-plant bulb soak on a wide variety of bedding plants, bulb crops, annual and perennial plants, as well as herbaceous and woody ornamentals. Use Aretor un diluted. Mount Aretor on the TMI devise, after calibrating the devise.
- Application rate : Foliar : Adequate spray volume is used to thoroughly wet plant stems. 100-200ppm (25-50ml Bonzi/l water) In spray applications, Bonzi penetrates into plant stems and is translocated to the terminal where it reduces Internodal elongation.
- Drenching : Bonzi readily absorbed by plant roots and translocated to the terminals. Drench applications generally provide a longer-lasting, more uniform height control than spray applications 4-8 ppm (1.5-3 ml Bonzi/l water)
- ✓ Packing 1 liter
- ✓ Origin France.

Pre-emergent Herbicide



- ✓ A.I : Prodiamine 65% (DNA Dinitroanaline)
- ✓ Formulation : water-dispersible granule WG
- $\checkmark\,$ Pre emergent herbicide . Inhibit cell growth of root meristem
- $\checkmark\,$ Apply to soil , activate with 0.5 inch irrigation,
- Weeds controlled: Carpet weed, spurge, crabgrass, goose grass, barnyard grass, purslane, pigweed, crowfoot grass, chickweed.
- \checkmark Apply after 60 days after overseeding or after 2nd mowing whoever is longer
- ✓ Application rate : 1-2 Kg/Ha
- ✓ Tanks Mix, Barricade can be tank mixed with most pesticide/Fertilizer. (WS,DG,WP, SC,L, Oil, EC, Adjuvant)
- ✓ Packing 1 Kg
- ✓ Origin USA
- ✓ Cost Per App 1000 AED/Ha @ 2 Kg/Ha rate



X

Pennant Magnum[®] Herbicide

- ✓ A.I : S-Metolachlor 83%
- ✓ Formulation : Emulsifiable Conc- EC
- $\checkmark\,$ Pre emergent herbicide . Inhibit VLCFA in plant cell.
- \checkmark Apply as pre emergent herbicide to soil , activate with 0.5 inch irrigation,
- Weeds controlled: Annual weeds (Poa annua annual blue grass, Foxtail), Dove weeds, Sprangletop, Smooth and large crabgrass, goose grass. Annual Bluegrass, Barnyardgrass (watergrass), Crabgrass, Crowfootgrass, Fall Panicum, Foxtail Millet, Giant Foxtail, Goosegrass, Green Foxtail, Prairie Cupgrass, Red Rice, Signalgrass (Brachiaria), Southwestern Cupgrass, Witchgrass, Yellow Foxtail, Yellow Nutsedge, Black Nightshade, Carpetweed, Florida Pusley, Galinsoga, Pigweed. Offers partial control of: Common Purslane, Groundsel, Hairy Nightshade, Sandbur, Seedling Johnsongrass, Shattercane, Volunteer Sorghum
- $\checkmark\,$ Can be applied over ground covers.
- ✓ Application rate : 3 liter/Ha
- ✓ Price 175 AED/Liter
- ✓ Cost per application per Ha 525 AED
- ✓ Split application can be made of not less than 1.17 Liter/Ha every 6 weeks min
- ✓ Tank Mixes with Barricade and with most pesticide/Fertilizer. (WS,DG,WP, SC,L, Oil, EC, Adjuvant)
- $\checkmark\,$ Tank Mixes with Tenacity for better Goose grass control See Tech Data sheet
- ✓ Packing 1 liter
- ✓ Origin USA

Post emergent selective Herbicide



syngenta.

✓ A.I : Pinoxaden 5.05%

- ✓ Formulation : Emulsifiable Concentrate EC
- Post-emergence selective systemic herbicide for control of listed grass weeds in bermudagrass, zoysiagrass and St. Augustine grass and Paspalum Vaginatum turf. Intended for use by professional applicators only.
- Manuscript is rapidly absorbed by weed foliage and translocated to the growing points of leaves and stems where it inhibits the acetyl CoA carboxylase (ACCase) enzyme. Susceptible weed species typically stop growing within 48 hours of treatment, turn yellow within 1 to 3 weeks, and are completely controlled within 3-5 weeks..
- Broad leaves weeds controlled ; tropical signal grass TSG (Urochloa subquadripara), tropical carpet grass (Axonopus compressus), large crabgrass (Digitaria sanguinalis), smooth crabgrass (Digitaria ischaemum), bahiagrass (Paspalum notatum), dallisgrass (Paspalum dilatatum), canoe grass (Paspalum acuminatum) and suppression of torpedograss (Panicum repens)
- Manuscript <u>must be applied in combination with Adigor spray surfactant</u>. Treated weeds will start whitening and death may occur in 1-3 weeks.
- $\checkmark\,$ Tank mix: compatible with most Herbicide.
- ✓ Application rate : 700 ml/Ha, repeat in 2-3- weeks.
- ✓ Packing 1 Liter
- ✓ Origin USA



✓ A.I : Mesotrione 40%

- ✓ Formulation : Emulsifiable Concentrate EC
- $\checkmark\,$ Pre and post emergent selective herbicide
- \checkmark As pre emergent, weeds absorb Tenacity from soil. As post emergent weeds absorb tenacity thru foliar contact.
- Broad leaves weeds controlled; Barnyard chickweed, carrot weeds, Cover, Dandelion, Crab grass, Goose grass, love grass, nut sedge yellow, Oxalis, pigweed
- \checkmark Activate with 0.15 inch of irrigation after application
- $\checkmark\,$ Treated weeds will start whitening and death may occur in 1-3 weeks

$\checkmark\,$ Use of NIS is recommended.

- \checkmark 2nd application after 2-3 weeks is required
- Tenacity may cause bleaching on warm season grass, Bleaching effect will appear 3-6 days after treatment and may last 4-5 weeks. 2nd application is less likely to cause same bleaching effect,
- $\checkmark\,$ Tank mix: compatible with most Herbicide.
- $\checkmark\,$ Don't apply OP or Carbamate within 7 days after Tenacity application
- ✓ Application rate : 585 ml/Ha, repeat in 3- weeks.
- ✓ Packing 1 Liter
- ✓ Origin USA
- ✓ Cost Per App 670 AED/Ha @ 0.585 L/Ha rate

GOOSEGRASS CONTROL TRIAL COMPARISONS



This treatment program provides excellent goosegrass control while cleaning up other troublesome weeds listed on each products' label such as:

- Signalgrass (Brachiaria spp.)
- Yellow nutsedge
- Florida pusley
- Crabgrass
- Doveweed



- ✓ A.I : Trifloxysulfuron sodium 75%
- $\checkmark\,$ Formulation : Water-dispersible Granule WG
- $\checkmark\,$ Post emergent selective herbicide
- ✓ Weeds controlled; Bahia grass, Signal grass, crab grass, dallis grass, purple nut sedge, oxalis grass, crab grass, spurge, dandelion,
- $\checkmark\,$ Use of NIS is recommended.
- \checkmark 2nd application after 4-6 weeks is required
- $\checkmark\,$ Monument is not labeled to be used in Paspalum.
- $\checkmark\,$ Tank mix: compatible with most Herbicide.
- $\checkmark\,$ Don't apply OP or Carbamate within 7 days after Tenacity application
- \checkmark Application rate : 40 gram/Ha, repeat in 4-6 weeks.
- ✓ Packing 25 gram / packet
- ✓ Origin USA
- ✓ Cost Per App 2000 AED/Ha @ 40 g/Ha rate

INPOOL[®] Dry Flowable

Wettable Granules (WG) A systemic selective herbicide that controls a wide range of Nutsedges & broad-leaf weeds.

- ✓ A.I : Halosulfuron Methyl 75%
- ✓ Formulation : Water-dispersible Granule WDG
- ✓ Post emergent selective herbicide
- ✓ Weeds controlled; grass perennial grass, yellow nutsedge, purple nutsedge,
- ✓ Use of NIS is recommended.
- ✓ 2nd application after 4-6 weeks is required
- \checkmark Inpool is labeled for all type of turf grass and under trees and shrubs.
- ✓ Tank mix: compatible with most Herbicide.
- ✓ Application rate : 500 gram/Ha, repeat in 3-4 weeks.
- ✓ Packing 200 gram / packet
- ✓ Origin USA





- ✓ A.I : Propiconazole 9.5% + Azoxystrobin 5.7%
- \checkmark Formulation : Emulsifiable Concentrate EC
- $\checkmark\,$ Preventive systemic fungicide with 2 mode of action DMI and QoL.
- ✓ IPM and Resistance management program must be followed such as , rotating with Fungicide with different mode of action, limiting total # of application per season
- ✓ Headway target foliar, stem and root fungus disease such as Anthracnose, leaf and spot blight, stem blight, mildew, Brown patch, summer patch, take all patch, dollar spot, fairy ring, molds, rust
- $\checkmark\,$ Tank mix: compatible with most fungicide.
- \checkmark Application rate : 9.5 liter/Ha, repeat in 14-28 days.
- ✓ Packing 3 liter Bottle
- ✓ Origin USA



- ✓ A.I : Azoxystrobin 8.8%
- ✓ Formulation : Micro Emulsion Conc MEC
- $\checkmark\,$ Preventive systemic fungicide.
- ✓ IPM and Resistance management program must be followed such as , rotating with Fungicide with different mode of action, limiting total # of application per season
- Heritage action target foliar, stem and root fungus disease such as Anthracnose, Bermuda decline, stem blight, yellow patch, Brown patch, fusarium patch, take all patch, dollar spot, fairy ring, powdery mildew, Pythium blight, Pythium damping off, rust
- $\checkmark\,$ Tank mix: compatible with most fungicide.
- \checkmark Application rate : 3-6/Ha, repeat in 14-28 days.
- ✓ Packing 1 Liter
- ✓ Origin USA



- ✓ A.I : propiconazole 14.3%
- ✓ Formulation : Emulsifiable concentrate EC
- ✓ Preventive systemic fungicide.
- ✓ IPM and Resistance management program must be followed such as , rotating with Fungicide with different mode of action, limiting total # of application per season
- Banner target dollar spot ,brown patch (,anthracnose , red thread ,pink patch ,rust , powdery mildew (stripe smut , summer patch , necrotic ring spot , spring dead spot , take-all patch ,leaf spot, gray leafspot , pink snow mold, fusarium patch ,gray snow mold, yellow patch , and Zoysia patch
- $\checkmark\,$ Tank mix: compatible with most fungicide.
- ✓ Application rate : 3.2-6.4 liter/Ha, repeat in 21-28 days.
- ✓ Packing 1 liter
- ✓ Origin USA



- ✓ A.I : mefenoxam (Metalaxyl) 22%
- ✓ Formulation : Emulsifiable concentrate EC
- ✓ Preventive systemic fungicide.
- ✓ IPM and Resistance management program must be followed such as , rotating with Fungicide with different mode of action, limiting total # of application.
- ✓ Subdue target root fungus disease such as Pythium damping off, Pythium blight, yellow tuft and downy mildew
- \checkmark Tank mix: compatible with most fungicide.
- ✓ Application rate : 1.5-3.0 liter/Ha, repeat in 14 days.
- ✓ Packing 1 liter
- ✓ Origin USA



- ✓ A.I : Fludioxonil 11.3%
- ✓ Formulation : Suspension Concentrate
- \checkmark For control of foliar, stem, root disease in Turf Grass.
- Control brown patch, leaf spot, yellow patch, summer patch, anthracnose, gray leaf spot, dead spot, and pink and gray snow mold when used in an integrated, preventive disease management program
- ✓ Apply in sufficient amount of water to ensure coverage. Apply after mowing, Don't irrigate till foliar application is dried
- \checkmark Tank mix: compatible with most fungicide. Do Jar Test
- ✓ Application rate : 3.0-6.0 liter/Ha.
- ✓ Price 500 AED/Liter
- ✓ Packing 1 liter
- ✓ Origin USA



GLR + perennial ryegrass blend

THE FOUNDATION OF EXCELLENCE

research first approach of perfecting turfgrass performance.

Palm Springs, CA

Product information

Description & Applications:

SUNRYE[™] perennial ryegrass blend incorporates the latest technologies and advancements in perennial ryegrass breeding and research from Pure-Seed Testing, Inc. SUNRYE[™] contains top performing varieties that are blended together to offer the ultimate choice of perennial ryegrass for turf professionals everywhere.

The Varieties selected for SUNRYE[™] have been chosen based on the widest range of performance characteristics for perennial ryegrass. These characteristics consist of disease resistance including: gray leaf spot, brown patch, red thread, and rust. SUNRYE[™] also contains heat and drought tolerance, salt tolerance, and excellent wear and traffic performance. SUNRYE[™] displays a very dark green color and density at variable mowing heights ranging from .25" to 2.5".

Geographical Adaption:

With Enhanced genetics and performance, SUNRYE™ has a wide area of adaptation. It will perform well in all northern cool season climates, as well as tradition overseeding markets. With its improved tolerance to temperature extremes and disease pressure, SUNRYE™ performs well throughout the transition zone. Quick establishment and dark green color make it an excellent choice for fall/winter overseeding of dormant bermudagrass in warm climates.

PRODUCT FEATURES

Establishment Speed	•	•	•	•	•		
Wear Tolerance	•	•		•			
Recovery	•	•	•	•	•		
Disease Resistance	•	•	•	•	-		
Seeding Rate	7-10 pounds per 1,000 sq. ft. (340-488 k						

7-10 pounds per 1,000 sq. ft. (340-488 kg/ha). Golf and sports turf application: 450-650 pounds per acre (503-728 kg/ha. Germination is expected in 5-7 days during normal weather conditions.







Description:

Carly was developed by Pure Seed Testing with American germplasm and collections from Europe screened in Oregon for a lighter green color, early maturity, good crown rust resistance, high seed yield potential, drought tolerance and salt tolerance. Carly was also screened in North Carolina for lighter green color, gray leaf spot resistance, heat and drought tolerance.

Applications:

Carly is a perennial ryegrass that is adapted for permanent turf use as well as overseeding of dormant Bermuda for golf course fairways and tees. Carly can be used in blends with other perennial ryegrasses to add a broader genetic base due to it's European background. Carly seeded alone will also blend in color wise better with poa annua. The high seed yield potential makes Carly an easy variety to get production acres placed making it a long-term widely available variety.

Geographical Adaption:

Carly is adapted in the northern climates and displays good winter color retention and early spring green-up. Carly applied by itself, in the southern overseeding of dormant bermudagrass, is quick to establish and displays a rich medium green color. With its early maturity, Carly will offer an easier transition for bermudagrass coming out of winter dormancy. This trait also makes it an excellent component in overseeding blends.





PURE DYNASTY Seeded Paspalum from Pure Seed

Pure Dynasty® Seeded Paspalum

Pure Dynasty[®], developed by Pure Seed Testing and distributed by Atlas Turf International, is the market's newest seeded seashore paspalum. Technically advanced, Pure Dynasty contains two seed varieties with unique traits to provide an excellent turf surface that is tighter, better, faster, and stronger.

PRODUCT FEATURES:

- Tighter density
- Better disease resistance
- Better spring green-up
- Quick germination
- Faster establishment
- Excellent salt tolerance
- Excellent wear tolerance
- Reduced mowing heights
- Stronger overall performance

Pure Dynasty features HydroLock by Pure Seed Testing. This patented coating enhances establishment and survivability by providing the seedling with special nutrients and water absorption capabilities, while also helping to guard against environmental pressures.

Pure Dynasty is the seeded turfgrass solution for wall-to-wall golf course applications, sports fields, parks, and infrastructure projects.

SEEDING RATE:

The recommended seeding rate is 1 to 3 lbs. per 1,000 sq. ft. $(450-1360g/92m^2)$ for coated seed.





North Shore SLT[™] Seeded Bermudagrass

North Shore SLT[™] seeded bermudagrass is the newest release from Pure Seed Testing, specifically selected for salt tolerance. With the added benefits of improved heat and drought tolerance, North Shore SLT is an excellent turf choice for projects using effluent water or in areas under water restrictions. It is adapted to the transition zone and subtropical and tropical climates.

North Shore SLT is an elite bermudagrass with excellent turf quality and density, dark green color, and a medium-fine leaf texture. Exceptional wear tolerance makes North Shore SLT a great selection for golf course tees, roughs, and fairways, sports fields, parks, lawns, and soil stabilization projects.

PRODUCT FEATURES:

- Dark green color
- Medium-fine leaf texture
- Excellent salt tolerance
- Improved drought and heat tolerance
- Excellent fall color retention
- Early spring green-up
- Exceptional wear tolerance
- Quick establishment

North Shore SLT features PURECOAT+™ water absorbent coating by Pure Seed Testing. This patented seed coating technology enhances establishment and survivability by providing the seedling with special nutrients and water absorption capabilities, while also helping to guard against environmental pressures.

SEEDING RATE:

The recommended seeding rate for hulled seed is 1-2 lb / 1000 sq. ft. (50-100 kg / ha).

> P.O. Box 4731, LaGrange, GA 30241 USA Telephone: +1 706 407 1894 Email: info@atlasturf.com www.atlasturf.com www.pureseed.com



Thanks