

# Herbatech

THRIVING FORWARD

2020 CATALOGUE

# Proud of our past. Thriving in your future.

## Science - Solutions - Results

*Tested and guaranteed scientific research, converted into innovative and performing products.*

*Deep commitment to the development of original and effective solutions, the result of our passion and of our high technical expertise. A company made of people with an innate impulse to obtain concrete results, aimed on solving turf problems.*

*In three words Science - Solutions - Results. Faithful to this triple mission, together with you, we have been able to grow for more than 25 years: now for you we wish to seed for the next 25.*

***Herbotech. Thriving forward, since 1994***







# Amendments, soil mixes and fertilizers with the best zeolite silicate in the world

## The Volcanic Masterpiece

- Permanently increase soil general quality
- Increase soil water holding capacity
- Favour the gradual release of nutrients to turf
- Solubilize phosphorus, stimulating root development
- Eliminate groundwater pollution

*Zeotech turf products are unique. They produce incomparable grass surfaces in terms of strength, colour, density and firmness. Their originality lies in their main ingredient Zeotech 300, an extraordinary zeolite (Italian chabazite), that permanently improves soil quality thanks to its highest CSC (Cation Exchange Capacity) and water retention value in the world.*

### UNIVERSITY TESTED RESULTS

#### BEST IN TURF QUALITY WITH ZERO LEACHING

Parameters	USGA TopSoil 85% sand 15% Peat	85% USGA TopSoil + 15% Chabazite	70% USGA TopSoil + 30% Chabazite
Turf biomass	56	274	270
% Turf cover	73	93	94
Color	4,3	5,8	5,0
General Aesthetic (9 best)	5,0	6,5	6,5
N Leached	13,7	2,1	1,0

(Volterrani et al. CERTES University of Pisa)

#### BEST IN CATION EXCHANGE CAPACITY

Product	Mineral	Zeolite %	CEC (meq/100gr)	Drying and sterilization
Chabazite (Zeotech 300)	Zeolite	60 ± 5	220 ± 10	YES
Clinoptilolite	Zeolite	49 ± 2	130 ± 10	NO
Phillipsite	Zeolite	53 ± 1	180 ± 10	NO

(Passaglia et al. 2012 University of Modena & Reggio)

#### BEST IN WATER RETENTION

Product	Field Capacity	Wilting Point	Available Water
USGA silica sand	1,5	0,7	0,8
Chabazite	37,2	14,4	22,8

(Volterrani et al. CERTES University of Pisa)

# Soil Amendments with Zeolite Silicates

## Zeotech 300

### WORLD BEST FOR CATION EXCHANGE AND WATER RETENTION

#### Italian chabazitic zeolite, permanent soil improver

- Retains ammonium, potassium and calcium in the rhizosphere
- Increases structurally water retention in sandy top soils
- Improves porosity, increasing top soil oxygenation

#### Areas of interest: Golf (green) / Football fields (natural & hybrid) / Garden / Sod Farms

#### Ideal in: Construction, amendment after coring, sod laying, trees plantation

**Guaranteed Analysis:** 52% SiO<sub>2</sub>; 17% Al<sub>2</sub>O<sub>3</sub>; 2% MgO; 6% CaO; 4% Fe<sub>2</sub>O<sub>3</sub>

**pH:** 6,9-7,1

**Cation Exchange Capacity:** 2,5 meq/g

**Granular size:** mm 0,7-2,0

**Bulk density:** 0,90 kg/liter (oven dried product)

**Recommended dosage:**

**Off-site top soil construction:** mix in volume 15% of Zeotech 300 with 85% of silica sand

**On-site top soil construction:** distribute 1,5 kg/m<sup>2</sup> and incorporate in the first 10 cm of top soil

**After deep coring:** distribute on open holes at 1,5-3 kg/m<sup>2</sup> and make it penetrate into the soil

**In seedbeds and sod laying preparation:** distribute at 1,0 kg/m<sup>2</sup> and incorporate in the first 5 cm

**Planting of trees and shrubs:** fill the hole with 200 grams, mixed with soil

20 kg bag and 1000 kg Big Bag (0,90 CM)



## Magic Sand

### ANTI-STRESS ROOT PROTECTIVE AMENDMENT FOR SANDY SOILS

#### Zeolitic rock sand with calcium, silicon and trace elements

- Insulates soil surfaces from overheating, protecting the roots
- Regulates soil water exchanges, reducing irrigation frequency
- Retains nutrients and promotes soil life. Excellent for composting

#### Areas of interest: Golf (green) / Football fields (natural & hybrid) / Garden / Sod Farms / Composting

#### Ideal in: Construction, sod production, gardening, composting

**Guaranteed Analysis:** 52% SiO<sub>2</sub>; 17% Al<sub>2</sub>O<sub>3</sub>; 2% MgO; 6% CaO; 4% Fe<sub>2</sub>O<sub>3</sub>

**pH:** 6,9-7,1

**Cation Exchange Capacity:** 2,5 meq/g

**Granular size:** fine sand (0,03mm-0,135 mm.)

**Bulk density:** 0,91 kg/liter (oven dried product)

**Recommended dosage:**

**Top soil construction of putting greens and football pitches (natural and hybrid):** mix off-site (in volume) 10%

Magic Sand with 90% sand (100 kg of Magic Sand every 1100 kg of sand). Lay the zeolite-sand mix over the first 15-25 cm of surface

**As soil mineral revitalizer of lawns, vegetable and flowers gardens:** 400 gr/m<sup>2</sup> on dry soil. Incorporate in the first 3-5 cm. Lightly rake

**Composting:** mix a part of Magic Sand with four parts of green wastes. Add water

500 kg Big Bag (0,45 CM)





# Soil Amendments with Zeolite Silicates

## Zeochrome

### RECOVERS HEAT, WEAR AND DISEASE DAMAGES ON TURF

#### Zeolite silicates soaked with root enhancers and humic acids

- Extraordinary solution for all stresses; promotes growth, and photosynthesis
- With humic substances and silicates: increases roots mass and elongation
- Speeds up turf recovery from summer diseases such as Dollar Spot

#### Areas of interest: Golf (green) / Football fields (natural & hybrid) / Lawn garden

#### Ideal in: Construction, top-dressing, amendment after aerations, sod laying

**Guaranteed Analysis:** 99,85% Zeolite Zeotech 300; 2,5% Humic acids; 1,5% Sea Kelp Meal; 0,3% Ureic nitrogen (N); 0,10% Chelated iron (EDTA); Contains organic chelating agents

**Granular size:** 0,7-2 mm

**Bulk density:** 0,91 kg/liter

**Recommended dosage:**

**On-site top soil construction and sod laying:** distribute 1,5-3,0 kg/m<sup>2</sup> and incorporate in the first 3-5 cm of sand

**As top-dressing:** distribute with a fertilizer spreader on turf surface at 300-500 gr/m<sup>2</sup> and irrigate

**After verticutting, microspiking, or microcoring:** 1,0-1,5 kg/m<sup>2</sup>. Lightly incorporate, seed and irrigate

**After deep coring:** 1,5-3,0 kg/m<sup>2</sup>. Fill in open holes and level with sand

20 kg bag and 500 kg Big Bag (0,46 CM)



## Zeowet

### GRANULAR HYDRATING AGENT: TAKES CARE OF DROUGHT AND DRY SPOTS

#### Zeolite silicates soaked with Herbalat bio-surfactant and calcium

- Increases availability of water, reducing irrigation up to 30%
- Helps reducing drought and hydrophobicities: Dry Spot and Fairy Rings
- The flocculating action of calcium cures damages caused by sodium

#### Areas of interest: Golf (green) / Football fields (natural & hybrid) / Lawn garden

#### Ideal in: Top-dressing, amendments after aerations

**Guaranteed Analysis:** 99,40% Zeolite Zeotech 300; 0,50% Herbalat organic bio-surfactant; 0,10% Calcium formiate; Contains organic chelating agents

**Granular size:** 0,7-2 mm

**Bulk density:** 0,91 kg/liter

**Recommended dosage:**

**As preventive-curative of drought, dry spots and fairy rings:** 1,0 kg/m<sup>2</sup> directly on turf surface. Irrigate

**After coring (also localized) as curative of dry patches and fairy rings:** 3,0 kg/m<sup>2</sup>. Fill in open holes and level with sand. Irrigate

20 kg bag and 500 kg Big Bag (0,46 CM)



## Zeobiome

### SOIL LIFE BOOSTER WITH MYCHORRHIZAS AND BILLIONS OF BACTERIA

#### Zeolite silicates and biochar soaked with microorganisms and turf growth promoters

- Activates soil biological life; improves Phytobiome soil-plant exchanges
- Prevents undecomposed thatch and false thatch buildup on surface
- Enriches the root-zone with mycorrhizae, increases root mass and depth

#### Areas of interest: Golf (green) / Football fields (natural & hybrid) / Lawn gardens / Sod farms

#### Ideal in: Construction, top-dressing, amendment after aerations

**Guaranteed Analysis:** 85% Zeolite Zeotech 300; 10% Biochar HerbaChar; 2,0% worm compost extracts; 2,0% Herbalat; 0,5% mycorrhizas solution; 0,5% collagen extracts

**Granular size:** 0,7-2 mm

**Bulk density:** 0,91 kg/liter

**Recommended dosage:**

**On-site top soil construction and sod laying:** distribute 1,5-3,0 kg/m<sup>2</sup> and incorporate in the first 3-5 cm of sand

**As top-dressing:** distribute every 30 days with a fertilizer spreader on turf surface at 300-500 gr/m<sup>2</sup> and irrigate

**After verticutting, microspiking, or microcoring:** 1,0-1,5 kg/m<sup>2</sup>. Lightly incorporate and irrigate

**After deep coring:** 1,5-3,0 kg/m<sup>2</sup>. Fill in open holes and level with sand

20 kg bag and 500 kg Big Bag (0,46 CM)



# Growing Media with Zeolite Silicates

## Zeodresser

### THE UNIQUE SOIL MEDIUM FOR TURF AUTHENTICALLY PROFESSIONAL

#### Zeolite and lava sand soil substrate ready to use

- Speeds seed germination and closure of wounds and divots
- Holds water, resists to wind and to the passage of mowing equipment
- User friendly in practical and convenient in 25 kg bags

#### Areas of interest: Golf (green) / Football fields / Lawn gardens

#### Ideal in: Construction, top-dressing and divot repairs

**Guaranteed analysis:** 50% Volcanic lapillus sand; 10% Zeolite Zeotech 300; 20% brown peat moss; 19,9% Green compost; 0,1% Zeotech P Fertilizer

**Bulk density:** 0,91 kg/liter

**Recommended dosage:**

**Seed bed preparation and sod soil preparation in lawn gardens:** 15-25 kg/m<sup>2</sup>; 1 bag (25 kg) is sufficient for 1-2 m<sup>2</sup>. Incorporate in the first 5 cm of top soil

**Divots and holes repairs:** apply 3 kg/m<sup>2</sup>. One bag (25 kg) is sufficient for 7-8 m<sup>2</sup>. Remove dead grass, distribute Zeodresser, seed, roll and irrigate

**Bermudagrass stolon transplanting:** pre-mix 90% Zeodresser with 10% stolons. Roll and irrigate. One bag (25 kg) is sufficient for 10 m<sup>2</sup>

**Lawn regeneration (after coring):** 4-5 kg/m<sup>2</sup>; 1 bag (25 kg) covers 5 m<sup>2</sup>. Fill in open holes and level with sand. Irrigate

20 kg bag and 1000 kg Big Bag (0,91 CM)





# Microgranular Fine Fertilizers with Zeolite Silicates

**Ready**  Growth Promoter Formula

## IMMEDIATE AND PROLONGED RESPONSE ALSO AT LOW TEMPERATURES

**14-0-7 + 2 Fe + 16% Zeotech 300 with Formula GP**

**Top Quality Spring fertilizer for putting greens and football stadiums**

- With iron and silicon; best color and grain and top playing quality
- Zero P and high acidity inhibits fungal diseases and Poa annua
- After 4-5 days, grass show an intense visible green color

**Areas of interest: Golf (green) / Stadiums (natural & hybrid) / Low mowed lawn gardens**

**Ideal in: Springtime, Autumn, All year round**

**Guaranteed analysis:** 14% Nitrogen (N) - 11,4% ammonia, 3,6% short chain methylene-urea; 7% Potassium oxide (K<sub>2</sub>O), 2% Iron (Fe); 4% Silicon oxide (SiO<sub>2</sub>); 16% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 0,8-1,2 mm

**Recommended dosage:**

**Regular maintenance:** (Springtime and beginning Autumn) apply at 25-30 gr/m<sup>2</sup> (250-300 kg/ha)  
20 kg bag



**Spring & Summer**  Growth Promoter Formula

## MAXIMAL GREEN QUALITY FOR MORE THAN 70 DAYS

**16-0-14 + 2 Fe + 11% Zeotech 300 with Formula GP**

**Slow release NK fertilizer with superior, chemical and zeolitic action**

- For intense maintenance of best quality golf greens and stadiums
- Produces fast and uniform turf surfaces with excellent playing quality
- Ideal nutrition for bent, red fescue, (Poa annua) and C4 greens

**Areas of interest: Golf (green) / Stadiums (natural & hybrid) / Low mowed lawn gardens**

**Ideal in: Mid-Spring, Summer, September**

**Guaranteed analysis:** 16% Nitrogen (N) - 6,2% ammonia, 1,1% ureic, 8,7% short chain methylene-urea; 14% Potassium oxide (K<sub>2</sub>O); 2% Iron (Fe); 11% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 0,8-1,2 mm

**Recommended dosage:**

**Regular maintenance:** (from April to mid-September) apply at 25-30 gr/m<sup>2</sup> (250-300 kg/ha)  
20 kg bag



**Rooter**  Growth Promoter Formula

## ROOTS ENHACING AND ENERGIZING TURF FEED WITH SILICATES

**10-15-10 + 2 MgO + 8% Zeotech 300 with Formula GP**

**Zeolite phosphorus solubilizer rich in magnesium**

- Supplies soluble phosphorus for a prolonged amount of time
- On open holes after coring, increases roots mass and elongation
- Favors nutrition of seedlings during germination and grow-in

**Areas of interest: Golf (green) / Stadiums (natural & hybrid) / Low mowed lawn gardens**

**Ideal in: All year round with aerations, new seeding and sod laying**

**Guaranteed analysis:** 10% Nitrogen (N) - 10% ammonia; 15% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>) - 14% water soluble; 10% Potassium oxide (K<sub>2</sub>O); 2% Magnesium oxide (MgO); 8% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 0,8-1,2 mm

**Recommended dosage:**

**For new turf establishment (seeding or sod laying):** 50gr/m<sup>2</sup> (500 kg/ha)

**After deep coring:** 35-40g/m<sup>2</sup> (350-400 kg/ha)

20 kg bag



**Autumn**  Growth Promoter Formula

## THE TURF FORTIFIER AGAINST SUMMER AND WINTER STRESSES

**7-5-14 + 4 Fe + 19% Zeotech 300 with Formula GP**

**Potassium fertilizer with 19% zeolite and 4% Fe for dark winter color**

- Feeds turf for 8 weeks, strengthening the roots and the vascular system
- Strengthens cell walls, providing resistance to traffic, heat and drought
- Prevents diseases and yellowing of Poa annua in winter

**Areas of interest: Golf (green) / Stadiums (natural & hybrid) / Low mowed lawn gardens**

**Ideal in: Mid-Autumn, beginning Summer**

**Guaranteed analysis:** 7% Nitrogen (N) - 7% ammonia; 5% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>) - 4,6% water soluble; 14% Potassium oxide (K<sub>2</sub>O); 4% Iron (Fe); 19% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 0,8-1,2 mm

**Recommended dosage:**

**As potassium anti-stress supplement:** Autumn: 35-40 gr/m<sup>2</sup> (350-400 kg/ha); Summer 30 gr/m<sup>2</sup> (300 kg/ha)

20 kg bag





# Granular Outfield Fertilizers with Zeolite Silicates



## PROVIDES A DARK AND INTENSE COLOR WITH ALL TEMPERATURES

**12-5-8 + 2 Fe + 10% Zeotech 300 with Formula GP**

**Spring greening and year round maintenance fertilizer with iron**

- Intensifies growth and color within 4-5 days from application
- Produces a strong, healthy, beautiful and dark green sward
- Provides a gradual and constant growth. No growing peaks

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod farms**

**Ideal in: Springtime, late Summer, All year round**

**Guaranteed analysis:** 12% Nitrogen (N) - 10% ammonia, 2% ureic; 5% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>) - 4, 8% water soluble; 8% Potassium oxide (K<sub>2</sub>O); 2% Iron (Fe); 10% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 2,5 mm

**Recommended dosage:**

**Spring green-up (March):** 40 gr/m<sup>2</sup> (400 kg/ha)

**Year round monthly maintenance (from mid-Spring to mid-Autumn):** 35-40 gr/m<sup>2</sup> (350-400 kg/ha)

25 kg bag



## GREENS UP WITHOUT STAINING MARBLE OR STONE AREAS

**12-5-8 + 2 MgO + 10% Zeotech 300 with Formula GP**

**Photosynthesis turf booster very rich in soluble magnesium**

- Iron free. Does not stain sidewalks or other marble areas
- Supplies 365 days/year a quality constant growing response
- N, K and MgO release is controlled by zeolite; lasts 45 days

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod farms**

**Ideal in: Springtime, late Summer, All year round**

**Guaranteed analysis:** 12% Nitrogen (N) - 10% ammonia, 2% ureic; 5% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>) - 4,8% water soluble; 8% Potassium oxide (K<sub>2</sub>O); 2% Magnesium oxide (MgO); 10% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 2,5 mm

**Recommended dosage:**

**Spring green-up (March):** 40 gr/m<sup>2</sup> (400 kg/ha)

**Year round monthly maintenance (from mid-Spring to mid-Autumn):** 35-40 gr/m<sup>2</sup> (350-400 kg/ha)

25 kg bag



## GIVES TOP QUALITY AND BEAUTY FOR MORE THAN 10 WEEKS

**14-0-8 + 2 Fe + 10% Zeotech 300 with Formula GP**

**Zero phosphate fertilizer with 60-70 days nitrogen liberation**

- Ideal for low mowed high quality fairways, sports fields and lawn
- Provides a uniform, dense and compact turf sward; play is faster
- With two nitrogen release technologies: zeolite and methylen urea

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod farms**

**Ideal in: April-June / mid-August-beginning October**

**Guaranteed analysis:** 14% Nitrogen (N) - 7% ammonia, 2,5% ureic, 4,5 methylene urea; 8% Potassium oxide (K<sub>2</sub>O); 2% Iron (Fe); 10% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 2,5 mm

**Recommended dosage:**

**Monthly maintenance from April to end September:** 30-40 gr/m<sup>2</sup> (300-400 kg/ha)

25 kg bag



## GUARANTEES EXCELLENCE WITH ONLY 2-3 ANNUAL APPLICATIONS

**20-0-8 + Fe + micronutrients + 10% Zeotech 300 with Formula GP**

**Maintenance fertilizer with 55% slow release N from methylene urea**

- Long lasting turf feed, ideal for quality lawns mowed infrequently
- With microelements chelated with humic acids that improves turf health
- Provides for more than 90 days a uniform grass growth and color

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod farm**

**Ideal in: from May to September**

**Guaranteed analysis:** 20% Nitrogen (N) - 6% ammonia, 3% ureic, 11% methylene urea; 8% Potassium oxide (K<sub>2</sub>O); 1% Iron (Fe); 0,01% Copper (Cu); Zinc (Zn); Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 2,5 mm

**Recommended dosage:**

**3 maintenance applications:** beginning May, end of June, beginning September: 30-40 gr/m<sup>2</sup> (300-400 kg/ha)

25 kg bag



## HIGH PHOSPHORUS TURF SUPPLEMENT AND ROOT STIMULATOR

**10-14-10 + 13% Zeotech 300 + Formula GP**

**New lawns starter fertilizer, rich in phosphorus and silicates**

- Excellent for new seeding and sod laying; stimulates germination
- Promotes intense root growth after aeration (coring) operations
- Phosphorus remains soluble in the soil and fully available to plants

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod farms**

**Ideal in: All year round with aerations, new seeding and sod laying**

**Guaranteed analysis:** 10% Nitrogen (N) - 8% ammonia, 2% ureic; 14% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>) - 8% water soluble; 10% Potassium oxide (K<sub>2</sub>O); 13% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 2,5 mm

**Recommended dosage:**

**For new turf establishment (seed or sod):** 50 gr/m<sup>2</sup> (500 kg/ha)

**After deep coring:** 35-40 g/m<sup>2</sup> (350-400 kg/ha)

25 kg bag



## SUPPLIES GROWTH AND COLOR ALSO DURING STRESS PERIODS

**8-5-18 + 2Fe + 6% Zeotech 300 + Formula GP**

**Summer & Winter zeolite turf fertilizer rich in potassium and iron**

- Produces stronger cell walls, increasing resistance to wear
- Prevents grass yellowing, maintaining grass color in Winter
- Fortifies the plant against diseases Pythium and Michrodochium

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod farms**

**Ideal in: Mid-Autumn, beginning Summer**

**Guaranteed analysis:** 8% Nitrogen (N) - 8% ammonia; 5% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>) - 4,6% water soluble; 18% Potassium oxide (K<sub>2</sub>O); 2% Iron (Fe); 6% Zeolite (Zeotech 300) + Formula GP (humic acids + lignin sulfonate)

**Granular size:** 2,5 mm

**Recommended dosage:**

**As potassium supplement and stress preventive:** in Autumn 35-45 gr/m<sup>2</sup> (350-450 kg/ha). In Summer 35 gr/m<sup>2</sup> (350 kg/ha).

25 kg bag







# Fertilizers and soil conditioners enriched with biochar and collagen

## The Soil Nutritionist

- Great improvers of soil fertility, biological life and chemical-physical quality
- Naturally produce health and beauty for lawns and garden plants
- Provide the perfect habitat for all beneficial soil microorganisms
- Slow release biological fertilizers; nutrients are liberated by microorganisms
- Sustainable: with CO<sub>2</sub> sequestering ingredients from circular economy

*Biogel is a new range of organic turf products containing HerbaChar, a unique biochar, produced from selected woody biomass carbonized at low temperature in partial absence of oxygen. With its microscopic honeycomb structure, HerbaChar provides the perfect habitat for beneficial soil and plant microorganisms: mycorrhizae, trichoderma, rhizosphere bacteria and actinomycetes, promoting root development, organic matter breakdown and soil vitality. In Biogel formulas HerbaChar is activated with a hydrolyzed collagen made of amino acids and proteins. In the ground they become authentic "restaurants" for microorganisms, that, by releasing nutrients and humic substances to the roots, maintain lawns always beautiful, healthy and resistant.*



### BIOGEL FERTILISERS: IDEAL FOR ROBOT MOWED LAWNS

Biogel fertilisers produce super strong, vertically growing and elastic lawns when mowing equipment pass over them.

They increase grass resilience and vigor, quickly repair mower injuries and produce little residue. They form very dense turf, preventing moss and weeds invasions. For this reason, they have deserved the RoboPrato guarantee for their suitability for use on lawns mowed with robots and with mulching systems.

## Organo-Mineral Fertilisers With Bioachar

### Bioturbo

**IDEAL IN SPRING, DELIVERS GREEN COLOR ALL YEAR LONG**

**14-0-5 + 2 Fe + Collagen + HerbaChar**

**High nitrogen organo-mineral fertiliser with biochar and iron**

- In 4-5 days gives a nice growth and color response that lasts up to 45 days
- Thanks to HerbaChar, ensures to the soil quality and health all year long
- Eases residues degradation produced by robot mowers and mulching systems

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod Farms**

**Recommended: Lawns mowed with robots and mulching systems**

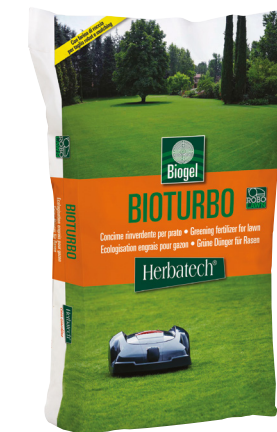
**Ideal in: Spring and early Autumn / All year round**

**Guaranteed Analysis:** 14% Nitrogen (N) - 2% organic, 9,5% ammonia, 2,5% ureic; 5% Potassium Oxide (K<sub>2</sub>O); 2% Iron (Fe) + collagen + biochar (HerbaChar)

**Granular size:** 2,5 mm

**Recommended dosage:**

**Regular maintenance (spring, early autumn):** 35-40 gr/m<sup>2</sup> (350-400 kg/ha)  
20 kg bag



### Biomulti

**ANTI-STRESS LAWN FERTILIZER, EXCELLENT FOR ALL GARDEN PLANTS**

**10-5-12 + Collagen + HerbaChar**

**High potassium organo-mineral fertiliser with biochar**

- Produces a beautiful and robust turfgrass. Fortifies roots' cell walls
- Ensures the formation of stress-resistant lawns in summer and winter
- Perfect maintenance fertiliser for gardens, flowerbeds, roses, trees and bushes

**Areas of interest: Golf (fairway) / Football fields / Lawn gardens / Sod Farms**

**Recommended: Lawns mowed with robots and mulching systems**

**Ideal in: Early Summer and mid-Autumn / All year round**

**Guaranteed Analysis:** 10% Nitrogen (N) - 2% organic, 6% ammonia, 2% ureic; 5% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>); 12% Potassium Oxide (K<sub>2</sub>O); + collagen + biochar (HerbaChar)

**Granular size:** 2,5 mm

**Recommended dosage:**

**Regular turf maintenance (Summer and Autumn):** 35-40 gr/m<sup>2</sup> (350-400 kg/ha)

**Fertilization of trees, bushes and roses:** 40 gr/m<sup>2</sup> in March-April. Incorporate in the first 5 cm  
20 kg bag





# Organic BIO Fertilizers with Collagen

## Biogel 12/40

### FEEDS THE LAWN GIVING LIFE TO DEPLETED AND STERILE SOILS

12-0-0 + 40 C + Micronutrients

Mini flakes of collagen; organic fertiliser & soil amendment

- In new sowings and sod laying, increases soil biological activity
- Keeps turf green in Winter, anticipating Spring green-up
- Lowers the C/N ratio of thatch, triggering its degradation

Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms / Hydroseeding

Ideal for regular maintenance in: early Summer and mid-Autumn

For Construction, sod laying and hydroseeding: all year round

Guaranteed Analysis: 12% Nitrogen (N) - 12% organic; 40% Carbon (C), 14% Humic Acids, 5% Fulvic Acids; 3% Microelements (Fe, MgO, Zn, Mn,)

Granular size: 2,0 mm

Recommended dosage:

Maintenance and thatch control fertilisation: 50-70 g/m<sup>2</sup> (500-700 kg/ha) from November to mid-March

Seedbed construction (seeding and sod laying): 100 gr/m<sup>2</sup> (1000 kg/ha) incorporated in the first 5-10 cm

Hydro-seeding: 25 kg/1000lt. of water-mulch solution

Spring fertilisation of trees, bushes and roses: 40 gr/m<sup>2</sup> in March-April. Incorporate in the first 5 cm

20 kg bag



## Biogarden

### THE “MEDICATED” NUTRITION FOR THE LAWNS AND GARDENS

6-5-7 + 4 MgO + Collagen + Seaweed flour + Soil beneficial microorganisms

NPK annual maintenance bio-fertiliser with magnesium

- With living soil microorganisms, improvers of soil quality and health
- Odorless; ideal for municipal and private lawns with children and animals
- Provides growth and colour to all garden plants; excellent on roses

Areas of interest: Golf (fairway) / Football fields / Lawn gardens

Ideal for regular maintenance: April-June, end of August-Octob

Guaranteed Analysis: 6% Nitrogen (N) - 6% organic; 5% Phosphoric acid (P<sub>2</sub>O<sub>5</sub>); 7% Potassium Oxide (K<sub>2</sub>O); 4% Magnesium Oxide (MgO) + collagen + seaweed flour meal + selected soil microorganisms

Granular size: 1,5-2 mm

Recommended dosage:

Maintenance fertilisation: 80 gr/m<sup>2</sup> (800 kg/ha), 3 times in the year: early Spring, late Spring and early Autumn

Spring fertilization of trees, bushes and roses: 100 gr/m<sup>2</sup> in March-April. Incorporate in the first 5 cm.

Planting of trees, bushes and roses: 100-200 gr/m<sup>2</sup> depending on the size of the plant

20 kg bag







# Supplements and specialities improvers of turf health

## The Greencare Protection

- Limit the use of pesticides by making plants stronger, resistant and healthier
- Prevent and cure damages from environmental stress (heat, drought, cold, etc.)
- Improve aesthetic and playing quality of ornamental lawns and sports fields
- Nourish and stimulate growth through foliar feeding when the roots don't work
- Corrects anomalies detected by foliar and soil lab analysis and field sensors

*Herbafer fortifying products (liquid fertilizers, biostimulants, soil surfactants, pigments and corrective microgranular formulas) protect sports and ornamental turf against those environmental and biotic adversities that cause diseases and stresses. When grass shows signs of suffering (leaf yellowing, thinning, burns, etc.), their use immediately restores turf health and, at the same time, improves its aesthetic and sports playing quality.*

## Foliar Fertilizers and Bioactivators

### Greener

#### THE INSTANT PROVIDER OF LUSH GREEN FOLIAGE

**16-0-0 + 6 Fe EDTA + foliar absorption facilitators (proprietary formula)**

**World best nitrogen-iron chelate foliar formulation**

- Greens up turf in 4 hours. Ideal for preparation of events, matches, etc.
- Anticipates Spring green-up without favoring Poa annua growth
- Restores foliar color, speeding recovery from dollar spot and anthracnose

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: All year round, Summertime for spoon-feeding fertilisation**

**Guaranteed analysis:** 16% Nitrogen (N) - 16% ureic; 6% Iron chelate (Fe) with chelating agents (EDTA). Contains foliar absorption facilitators (proprietary formula)

**Recommended dosage:**

**On partially chlorotic (C3 and C4) lawns:** All year round 2,5-3 liters/1000 m<sup>2</sup> in 80 liters of water.

**For spoon-feeding operations in combination with Herbafer Recovery:** 1,5 liters/1000 m<sup>2</sup> in 80-100 liters of water  
20 liters drum and 1 liter bottle



### Crazy Greener

#### THE IRON FREE FOLIAR GREEN BOOSTER AND PROTECTOR

**15-0-0 + C3 pigment + foliar absorption facilitators (proprietary formula)**

**Foliar urea + far infra-red protective green pigments**

- Immediately camouflages yellowings caused by stress and disease
- Provides growth and color to lawns with iron phytotoxicity and black layer
- Urea eases pigment entrance in the leaves; winter colour lasts 4-5 weeks

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: Late autumn and Early Spring, All year round**

**Guaranteed analysis:** 15% Nitrogen (N) - 15% ureic; C3 (FIR light reflecting pigment). Contains foliar absorption facilitators (proprietary formula)

**Recommended dosage:**

**During the growing season on partially chlorotic warm season and cold season grasses:** 2,0-2,5 liters/1000 m<sup>2</sup> in 80 liters of water

**On warm season and cold season grasses in late Autumn to delay foliar yellowing and in early Spring to anticipate green-up:** 2,5-3,0 liters/1000 m<sup>2</sup> in 80 liters of water. Do the first treatment in November and repeat every 25-30 days

5 liters drum and 1 liter bottle



### Recovery

#### SPEEDS TURF RE-GROWTH AFTER ABIOTIC STRESSES AND DISEASES

**12-0-5 + L- amino acids + micronutrients + foliar absorption facilitators (proprietary formula)**

**Promoter of protein synthesis with amino acids from vegetal enzymatic hydrolysis**

- Supplies force and vigor to grass with physiological and pathological damages
- Solves problems caused by excessive play, wear, traffic and maintenance errors
- In summertime feeds turf (spoon-feeding) when root absorption is insufficient

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal in: Summer for spoon-feeding; All year round as a post stress curative**

**Guaranteed analysis:** 12% Nitrogen (N) - 10% urea, 1% nitrate, 1% organic (amino-acids); 5% Potassium (K<sub>2</sub>O); 0,5% Iron (Fe); 0,5% Manganese (Mn); 0,5% Zinc (Zn). Contains foliar absorption facilitators (proprietary formula) Contains L-Amino Acids of vegetal origin (enzymatic hydrolysate from Fabaceae tissues)

**Recommended dosage:**

**On damaged C3-C4 turf during the growing season:** 1,5 - 2,0 liters/1000 m<sup>2</sup> in 80-100 liters of water

**For spoon-feeding operations in combination with Herbafer Greener:** 1,5 liters/1000 m<sup>2</sup> in 80-100 liters of water  
10 liters drum





# Foliar Fertilizers and Bioactivators

## Resurrection

### THE TURF BATTERY: AUGMENTS SOLAR ENERGY ACCUMULATION

**10-0-0 + melatonin + Lumen (UV reflecting pigment) + amino acids + mannitol + foliar absorption facilitators (proprietary formula)**

**Photosynthesis improver with melatonin and UV reflecting pigment**

- Performance improver; allows a more intense use of grass surfaces
- Increases starch storage and shade and diseases tolerance (Dollar Spot)
- Foliar rejuvenator; reduces cellular senescence caused by UV light

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: All year round to promote photosynthesis and energy accumulation**

**Guaranteed analysis:** 10% Nitrogen (N) – 8,5% ureic, 0,9% organic from L-amino-acids; 1,1% nitric; 0,45% Iron (Fe); 0,27% Zinc (Zn); Lumen (UV solar light reflecting pigment); Melatonin; Mannitol. Contains organic foliar absorption facilitators

**Recommended dosage:** On shady lawns: 2 liters/1000 m<sup>2</sup> in 80 liters of water. Repeat every 20-30 days

**As a photosynthesis stimulator and energizer on all species (C3-C4):** First spring treatment (April): 2 liters/1000 m<sup>2</sup> in 80 liters of water; all year round at 1,5 liters/1000 m<sup>2</sup> in 80 liters of water. Repeat every 15-20 days  
*5 liter drum*

## Rubisco

### BUILDS UP ROOT MASS AND PREVENTS DROUGHT DAMAGES

**11-0-0 + Bo, Mn, Zn, Cu, Mo + amino acids + filtered sea kelp meal + mannitol + foliar absorption facilitators (proprietary formula)**

**Regulator of foliar transpiration and curative of water related problems**

- Stimulates roots growth and water and nutrients absorption
- Cures all stresses related to scarce water availability
- Synergic with wetting agents against dry spots and drought damages

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: All year round as root promoter and drought stress protector**

**Guaranteed analysis:** 11% Nitrogen (N) - 10% ureic, 1% amino-acids; 0,01% Boron (B); 0,01 Manganese (Mn); 0,02 (Zinc Zn); 0,02% Copper (Cu); 0,001% Molybdenum (Mo); Mannitol; Ascophyllum nodosum meal. Contains organic foliar absorption facilitators

**Recommended dosage:** As roots promoter and preventive-curative of drought damages: 0,5 liters/1000 m<sup>2</sup> in 80-100 liters of water  
*5 liter drum and 1 liter bottle*

## Rubisco Smart

### DEFENDS FROM HEAT AND PROTECTS FROM SUN LIGHT DAMAGES

**11-0-0 + C3 solar protective pigment + Bo, Mn, Zn, Cu, Mo + amino acids + filtered sea kelp meal + mannitol + foliar absorption facilitators (proprietary formula)**

**Color enhancer with nitrogen and far infra-red reflecting pigments**

- Prevents heat and light damages, disguising yellowings
- Synergic with siringing, decreases the frequency of irrigations
- On sod, applied 2-3 days before harvest, reduces post harvest stress

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: All year round as root promoter; In Summer as heat stress protector**

**Guaranteed analysis:** 11% Nitrogen (N) - 10% ureic, 1% amino-acids; 0,01% Boron (B); 0,01 Manganese (Mn); 0,02 (Zinc Zn); 0,02% Copper (Cu); 0,001% Molybdenum (Mo); Mannitol; Ascophyllum nodosum meal; C3 (FIR light reflecting pigment). Contains organic foliar absorption facilitators

**Recommended dosage:** As a pre-summer heat stress preventive and in prolonged periods of high temperatures: 0,75 liters/1000 m<sup>2</sup> in 80-100 liters of water. In sod farms, applied 2-3 days before harvest: 0,70 liters/1000 m<sup>2</sup> in 80-100 liters of water  
*5 liter drum*



## Pickup 341

### THE UNIQUE POTASSIUM SUPPLEMENT WITH PHOTO-PROTECTIVE ACTION

**K 12 + C3 pigment + foliar absorption facilitators (proprietary formula)**

**Three-for-one synergical combination: potassium + phosphites + pigments**

- Camouflages stress and yellowing and damages caused by diseases
- Supplies potassium for stronger cell walls before heat and cold stress
- Nutrient health protector against Michrodochium, Anthracnose and Pythium

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: Early Summer and early Winter**

**Guaranteed Analysis:** 12% Potassium Oxide (K<sub>2</sub>O); C3 (FIR light reflecting pigment). Contains organic foliar absorption facilitators

**Recommended dosage:** In early Summer and early Winter: 1,5-2,0 liters/1000 m<sup>2</sup> in 80-100 liters of water. Repeat after 15 days  
*5 liter drum*



## Pickup

### THE SPECIAL PHOSPHITE FORMULA THAT REDUCES TURF DISEASE DAMAGES

**K16 + 2 Fe (EDTA) + 0,5 Mn (EDTA) + foliar absorption facilitators (proprietary formula)**

**Foliar protective supplement with potassium phosphite, iron and manganese**

- With all the nutraceutical benefits of potassium and phosphites
- Manganese limits damages from Root Pythium and Take all Patch
- Iron chelate improves photosynthesis resumption and green color

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal : Early Summer and early Winter**

**Guaranteed Analysis:** 16% Potassium Oxide (K<sub>2</sub>O); 2% Iron (Fe) EDTA; 0,5% Manganese (Mn); Contains organic foliar absorption facilitators

**Recommended dosage:** In early Summer and early Winter: 1,0 liters/1000 m<sup>2</sup> in 80-100 liters of water. Repeat after 15 days  
*5 liter drum*





# Pigments and Paints

## C3

### REVITALISES TURF NATURAL COLOUR AND PROTECTS FROM THE SUN

#### Light green pigment with cosmetic and infra-red (FIR) reflecting activity

- Penetrates into the leaf, giving a beautiful natural color for 3 weeks
- Disguises Poa annua and yellowings (dry spots, freezing, diseases, etc.)
- Reflects harmful infrared and FIR rays, limiting plant's thermal stress

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms**

**Ideal: On all C3 and C4 turf species in active growing phases**

**Recommended dosage:** Color recovery of stressed Poa annua and all foliar yellowing (also tank-mixed with pesticides): 2,5-3,5 liters/ha in 800 liters H<sub>2</sub>O. In prevention of summer stress and localized dry spots: 3-4 liters/ha in 800 liters H<sub>2</sub>O. On stadiums and putting greens before special matches and tournaments: 2,5 liters/ha in 800 liters H<sub>2</sub>O. Best results when tank mixed with Greener (25 liters/ha). In prevention of winter leaf yellowing of Poa pratensis and tall fescue: 2,5-3,5 liters/ha in 800 liters H<sub>2</sub>O. After heavy scarifications of sports fields, putting greens and fairways: 3-4 liters/ha in 800 liters H<sub>2</sub>O  
5 kilos (4,5 liter) drum



## Liquid Overseeder CF

### GREENS-UP BERMUDA AND PASPALUM BEFORE WINTER DORMANCY

#### Dark green pigment with aesthetic and camouflaging action on turf

- Enhances visual appearance of winter semi-dormant bermudagrass
- Disguises all C3 and C4 sports turf and lawn gardens stress damages
- Prevents yellowing of football stadiums during winter championship

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens**

**Ideal: In subtropical areas, all winter long for enhancing vital bermudagrass green color; In the transition zones for bermudagrass winter dormancy preparation; On football stadiums during winter championship to disguise Poa and ryegrass yellowing**

**Recommended dosage:** In subtropical areas, all winter long for enhancing vital bermudagrass and other warm season grasses green color: 2,0-3,0 liters/ha in in 300-400 liters H<sub>2</sub>O every 4-5 weeks, starting from December till end of February. In transition zones, for winter dormancy preparation of bermudagrass and other warm season grasses: 2,5-3,5 liters/ha in 300-400 liters in H<sub>2</sub>O. Start in November, before leaf yellowing and repeat after 30 days. Best results when tank mixed with Greener (15 liters/ha). On football stadiums with cold season grasses during winter championship: 2,5-3,5 liters/ha in 500 liters H<sub>2</sub>O. Spray 48 hours before the match with leaves completely dry  
5 kilos (4,5 liter) drum



## Herbalù

### FOR 3 MONTHS HIDES BROWN GRASS WITH A BEAUTIFUL NATURAL GREEN

#### Permanent turf paint with a fantastic natural light green color

- Wonderful aesthetic effect; natural grass-like green colour
- Disguises dead grass caused by burns, diseases and human errors
- In winter colors for 90 days dormant bermuda and warm season grasses

**Areas of interest: Golf (green, tee) / Football fields / Lawn gardens**

**Ideal : All year round on “dead grass”. Winter on 100% brown dormant bermudagrass**

**Recommended dosage:** For localized treatments on damaged areas with pedestrian sprayer (Herbasprayer): 0,5 liters in 25 liters of water on 500 m<sup>2</sup> of surface. With backpack sprayer and hand lance (Herbalance): 0,25 liters in 10 liters H<sub>2</sub>O in 250 m<sup>2</sup>. With spray tank: 10 lt/ha in 500 liters H<sub>2</sub>O  
5 liter drum



## Herbaverde TP

### PERMANENT DARK GREEN PAINT FOR BROWN TURF AND DIVOT REPAIRS

#### Long lasting natural dark turf paint for discolored and dead turf

- Colors completely dead-brown grass, including the soil below
- In winter, colors for 2-3 months dormant bermuda greens and tees
- Adheres to the divot sand and is not washed away by the rain

**Areas of interest: Golf (green, tee) / Football fields / Lawn gardens**

**Ideal: All year round on “dead grass” and for divot sand preparation; Winter on 100% brown dormant bermudagrass greens and tees**

**Recommended dosage:** For localized treatments on damaged areas with pedestrian sprayer (Herbasprayer): 0,5 liters in 25 liters of water on 500 m<sup>2</sup> of surface. With backpack sprayer and hand lance (Herbalance): 0,25 liters in 10 liters H<sub>2</sub>O in 250 m<sup>2</sup>. With spray tank: 10 lt/ha in 500 liters H<sub>2</sub>O. For green divot sand preparation: 0,25 liters Herbaverde TP + 50 kg sand + 0,75 liters H<sub>2</sub>O  
One liter bottle



## Herbablue

### IMPROVES PRECISION IN SPRAYING TREATMENTS AND HYDRO-SEEDING

#### Temporary blue pattern indicator with potent anti-drift agents

- Identifies sprayed turf surfaces, preventing overlapping and missed areas
- Alerts for any tank problems (broken pipes, clogged nozzles or filters, etc.)
- In hydro-seeding colors the seed-mulch slurry, indicating treated area

**Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod Farms / Hydro-seeding**

**Ideal: All year round as foliar spray and hydro-seeding indicator**

**Recommended dosage:** As spray pattern indicator: 1,5-2,5 lt/ha in 800 liters H<sub>2</sub>O. As hydro-seeding indicator: 1-1,5 liters in 1000 liters of seed-mulch slurry solution  
One liter bottle



## Acqua Azzurra

### ELIMINATES THE UGLINESS OF TURBID WATERS IN LAKES & PONDS

#### Instant blue colorant. Safe to aquatic wildlife and drinking pets

- Provides a mirror-like blue water coloration of great beauty
- Limits sunlight penetration preventing algae and aquatic weeds
- Improves quality of waters used for irrigation; prevents odors

**Areas of interest: Golf / Lawn gardens**

**Ideal in; All closed water basins (lakes, ponds, fountains)**

**Recommended dosage:** To obtain a coloring of 1-2 meters depth along the water profile: 8 liters in 10,000 m<sup>2</sup> (1 ha). To be used only on still water where the water exchange is zero or minimal  
One liter bottle





# Pigments and Paints

## Herbaclean

### REMOVES COLORANTS AND DIFFICULT CHEMICALS FROM THE TANK

#### Powerful detergent for cleaning all kind of spraying equipment

- Ideal for removing residues of Herbafer pigments and paints
- Cleans completely residues of glyphosate and other oily chemicals
- Indispensable for cleaning corrosive residues of iron sulphate

#### Areas of interest: Golf / Football fields / Lawn gardens / Sod Farms

#### Ideal for cleaning all spraying equipment, Herbasprayer and Herbalance in particular

##### Recommended dosage:

All cleaning operations: dilute 0,5 liter in 100 liters of water  
One liter bottle



# Soil Water Conservation Products

## Herbalat

### NATURAL SURFACTANT, 100% BIOLOGICAL, WITH WETTING AGENT EFFECT

#### Derived from milk, retains soil moisture and corrects water disorders

- Retains moisture by allowing rootzone uniform hydration
- Reduces soil water repellency, and localized dry spots
- Soil food, enfavourishes Trichoderma and microbial activity

#### Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens

#### Ideal: Spring-Summer for water uniform distribution; Summer for Dry Patch control

##### Recommended dosage:

As soil hydrating treatment: 20 liters/ha in 850-1000 litres of H<sub>2</sub>O every 20 days starting in mid-May  
For curative localized treatments on dry patches: 10-15 liters/ha daily for 3-4 days in a row with at least 850-1000 litres of H<sub>2</sub>O  
5 liter drum



## Program

### THE BEST PROGRAMMED APPROACH TO DRY PATCH CONTROL

#### Prevents and blocks damaging Localized Dry Spots development

- New technology concentrated hydrating and infiltrating surfactant
- With a quick response, provides fast relief of turf stress for 30 days
- Infiltrates water across densest green turf: bent, bermuda and paspalum

#### Areas of interest: Golf (green, fairway) / Football fields

#### Ideal in: Spring-Summer for dry patch monthly prevention programs

##### Recommended dosage:

For monthly preventive treatments on dry patches, staring from late Spring (May): 15 liters/ha in 850-1000 litres of H<sub>2</sub>O. Repeat every 4-5 weeks  
5 liter drums



# Soil Water Conservation Products

## Program 17

### THE NUMBER 1 REMEDY OF DRY SPOTS, FAIRY RINGS AND LIGHT STRESS

#### Hydrating and infiltrating soil surfactant with UV light protective pigments

- Prevents and cures Dry Spot (LDS), disguising foliar burns
- Rapid and durable preventive-curative results; effect lasts up to 6 weeks
- Controls and hides water repellency symptoms caused by Fairy Rings

#### Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens

#### Ideal: Spring-Summer for Dry Patch prevention and control; all year round for Fairy Rings treatments

##### Recommended dosage:

For preventive-curative treatments on dry patches of putting greens and football pitches: 17 liters/ha in 850-1000 litres of H<sub>2</sub>O every 20 days starting in mid-May. Wait 10 minutes after application and abundantly water in. Repeat every 25-30 days. For preventive-curative treatments against Fairy Rings: after a light aeration, spray at 0,5 liters /500 m<sup>2</sup> in 50 liters of H<sub>2</sub>O. Wait 10 minutes after application and abundantly water in. Treat with a labeled fungicide and, again, abundantly water in. Repeat every 15 days if symptoms still appear  
5 liter drum



## One Shot

### INCREASES BY 30% WATER AVAILABILITY TO THE ROOTS

#### 60 days, low dosage hydrating and infiltrating soil surfactant

- Produces dryer, firmer and healthier football pitches & fairways
- Reduces turf drought stress, water needs and irrigation frequency
- Persistent; a Spring application controls dry patches up to 10 weeks

#### Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod farms

#### Ideal: mid-Spring for Dry Patch prevention; all year round for water uniform distribution

##### Recommended dosage:

Soil water hydration on football pitches, fairways, bunker edges: 8-10 liters/ha in 850-1000 liters of water. Apply at 40 day intervals throughout the growing season. Irrigate thoroughly after application. Solution has to penetrate through soil profile. Under hot conditions, pre-wet turf with two turns of the irrigation  
For preventive mid-Spring treatment against dry patches: 15 liters/ha in 850-1000 liters of water before symptoms appearance. Reapply after 60 days if needed. Irrigate thoroughly after application for 15-20 minutes  
5 liter drum



## Holywater

### INCREASES RAPID WATER MOVEMENT IN DEEPER SOIL STRATA

#### Penetrant with organic acids and calcium; helps leaching sodium and bicarbonates

- Speeds up water infiltration into thatch and throughout the root zone
- Excellent for preventing and treating all problems related to salinity
- Improves winter drainage on sports fields, improving playing quality

#### Areas of interest: Golf (green, fairway) / Football fields / Lawn gardens / Sod farms

#### Ideal: all year round for soil water penetration and sodium and bicarbonates leaching; Winter for drying puddles and surface water remo

##### Recommended dosage:

Penetrant treatments must be preferentially made in conjunction with any aeration technique.  
For soil water penetration and surface water removal during the growing season: 10 liters/ha in 800 liters of water. Water in thoroughly. To improve drainage in wintertime on football pitches and fairways: 10 liters/ha in 800 liters of water. For sodium and bicarbonates leaching on sandy soils: 10 liters/ha in 800 liters of water. Use monthly throughout the irrigation season. The application interval may be adjusted as needed. Water in thoroughly; product has to penetrate into soil profile  
5 liter drum





# Micro-granular Trace Minerals Supplements

## Herbafer G

### INCREASES WINTER COLOR, LOWERS pH AND FIGHTS MOSS

12-0-0 + 12Fe

Iron rich granular turf supplement with 12% nitrogen

- Easy to apply iron; no distribution problems as with iron sulphate
- In Winter acts as antiseptic-acidifying agent, inhibiting fungal attacks
- At high dosages and with repeated applications eliminates moss

**Areas of interest:** Golf (green, tee) / Stadiums (natural & hybrid) / Low mowed lawn gardens

**Ideal:** Late Autumn – early Spring as greening anti-septic agent; all year round as anti-moss

**Guaranteed Analysis:** 12% Nitrogen (N) - 4% ammonia, 8% ureic; 12% Iron (Fe)

**Granular size:** 1,5 mm

**Recommended dosage:** As a nitrogen-iron, Winter greener fertilizer: apply at 20-35 gr/m<sup>2</sup> (200-350 kg/ha) in early Spring and late Autumn. **As an anti-moss treatment:** apply 40-50 gr/m<sup>2</sup> (400-500 kg/ha). Wait about 10 days before dead moss removal

25 kg bag



## HerbaMag

### THE FERTILIZER THAT CORRECTS STRONG MAGNESIUM DEFICIENCIES

12-0-0 + 10MgO + 2Fe

Magnesium supplement (10% MgO) and photosynthesis enhancer

- With nitrogen and iron for rapid Spring green-up on putting greens
- Microgranular compound fertilizer, easy to distribute and dissolve
- Ideal on calcareous soils when calcium prevents magnesium availability

**Areas of interest:** Golf (green, tee) / Stadiums (natural & hybrid) / Low mowed lawn gardens. **Ideal:** March and September as greening fertilizer; All year round as magnesium supplement

**Guaranteed Analysis:** 12% Nitrogen (N) - 8% ammonia, 4% ureic; 10% Magnesium Oxide (MgO); 2% Iron (Fe)

**Granular size:** 1,5 mm

**Recommended dosage:** For Spring green-up and color enhancer: 20-25 gr/m<sup>2</sup> (200-250 kg/ha) in March and September. **As magnesium supplement:** all year round with repeated applications at 20-30 gr/m<sup>2</sup> (200-300 kg/ha)

25 kg bag



## HerbaCal

### SUPPLIES CALCIUM, CONTROLS SODIUM AND SPEEDS GROWTH

10-0-0 + 10 Ca + 2Fe

Calcium supplement (from gypsum) with nitrogen and iron

- Excellent maintenance fertilizer for soils irrigated with residual water
- Corrects sodium excesses and calcium deficiencies in alkaline soils
- Improves H<sub>2</sub>O penetration: recreates porosity, aggregating soil particles

**Areas of interest:** Golf (green, tee) / Stadiums (natural & hybrid) / Low mowed lawn gardens. **Ideal:** all year round for new construction and maintenance

**Guaranteed Analysis:** 10% Nitrogen (N) - 6% ammonia, 4% ureic; 10% Calcium (Ca); 2% Iron (Fe)

**Granular size:** 1,5 mm

**Recommended dosage:** As a maintenance fertilizer: all year round 20-25 gr/m<sup>2</sup> (200-250 kg/ha). **As a calcium supplement and sodium corrective:** all year round with repeated applications at 25-30 gr/m<sup>2</sup> (250-300 kg/ha)

20 kg bag



## Combi

### THE INTENSE GREEN TURF BOOSTER WITH SLOW RELEASE NITROGEN

16-0-0 + 5Fe + 2MgO

Fairway size iron and magnesium granular supplement with nitrogen

- Speeds turf recovery after summer and winter stress. Lasts up to 6 weeks
- Excellent maintenance fertiliser of bermudagrass and other C4 grasses
- Acidifies the top soil, easing, with nitrogen, Dollar Spot disease escape

**Areas of interest:** Golf (green, fairway) / Football fields / Lawn gardens / Sod farms. **Ideal:** Spring and late summer (cold season grasses) / All year round (warm season grasses)

**Guaranteed Analysis:** 16% Nitrogen (N) - 5,5 slow release methilenurea, 7,5% ammonia, 3% ureic; 5% Iron (Fe); 2% Magnesium (MgO)

**Granular size:** 2,5 mm

**Recommended dosage:** As a greening fertilizer on cold season grasses: 25-30 gr/m<sup>2</sup> (250-300 kg/ha) in March-April and late August-September. **As a maintenance fertilizer on warm season grasses:** 30-35 gr/m<sup>2</sup> (300-350 kg/ha) every 40 days, starting from May

25 kg bag





# Spraying Equipment

## Herbaspray

### THE IDEAL SPRAYER FOR DISTRIBUTING HERBAFER COLORANTS

#### Precision walk-behind turf sprayer for applying paints and chemicals

- Unique for providing best and uniform coverage of paints and pigments
- With 3 independent and regulated nozzles. Sprays from 0,6 to 1,8 mt
- Excellent for treatments with Herbalance and other lance equipment

#### Areas of interest: Golf (green, tee) / Football fields / Lawn gardens

**Technical Features:** Electric spraying machine designed, thanks to a special pump, for treating lawns with Herbafer colorants (pigments and paints) and all liquid chemical products. With a 20 liter tank, 1,7 metre bar, large wheels, a wide and reinforced frame and an adjustable handlebar, it is supplied with a 12v battery, a battery charger and charger holder, a nozzle holder and a flat fan nozzle set.

Optional available on demand: Spray lance Herbalance

**Application Methods:** Grass surface covered with 10 litres of solution is 400 m² (250 litres/ha)



## Herbalance

### SPECIAL LANCE FOR PAINTING LOCALIZED TURF AREAS

#### Precision spray lance, compatible with Herbasprayer machine

- Sprays accurately any chemical: colorants, pesticides, foliar fertilizers, etc
- Perfectly suited for the creation of logos and designs on all turf surfaces
- Lightweight and easy to use; with safety lock to prevent unintentional sprays

#### Areas of interest: Golf (green, tee) / Football fields / Lawn gardens

**Technical Features:** Spray lance, compatible with Herbasprayer walk-behind sprayer, designed for precision spraying with Herbafer colorants (pigments and paints) and other liquid treatments. It is a stainless steel applicator, supplied with interchangeable nozzles and 2,5 meters of extensible hose



Herbotech S.r.l.

Via Belfiore, 242 - 37135 Verona - Italy

T +39 045 8550305 | F +39 045 8550307

info@herbotech.com | www.herbotech.com



