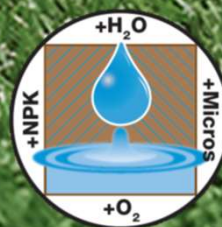




Golf and Turf Options



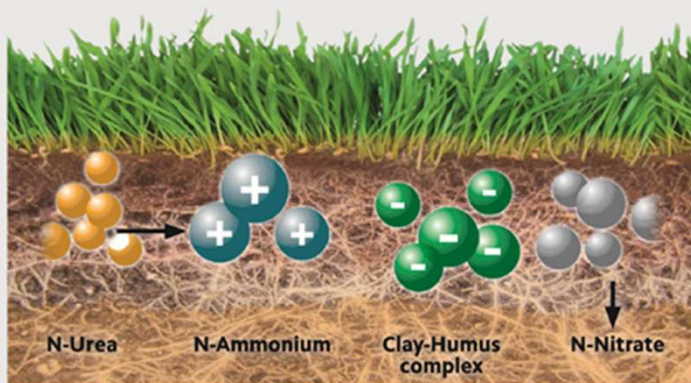
Fertilizers



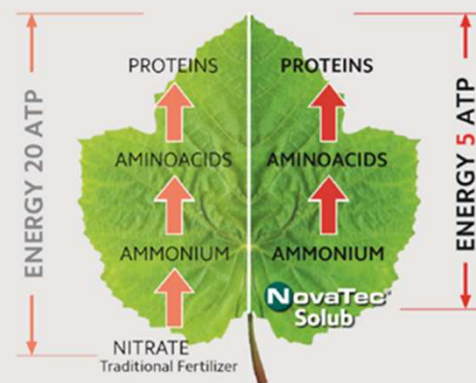
NovaTec® is a NPK complex fertilizer with nitrification inhibitor **DMPP** (3,4-dimethylpyrazolophosphate). During the active phase of **DMPP** (4 to 10 weeks, depending on soil temperature and soil humidity), the transformation of ammonium to nitrate is delayed. Retaining the nitrogen in the ammonium form (NH_4^+) means it adheres to negatively charged soil particles and stays in the soil, whereas negatively charged nitrate (NO_3^-) leaches out of the soil and cannot be utilised by the plant. Therefore, it reduces N-leaching (less environmental impact) and as a result N-availability is further adapted to the plants' requirements and N-efficiency is increased. NovaTec products are highly soluble due to the phosphorus content being derived from phosphoric acid, which makes for the quickest availability to the grass plant. NovaTec products have a very uniform granule size with a high crushing strength, this leads to a lower dust content and coupled with the high solubility delivers a product that is easy to spread, pleasant to work with and disperses rapidly into the sward.

Ammonia (NH_4^+) containing fertilisers

Ammonia adheres to the clay-humus complex

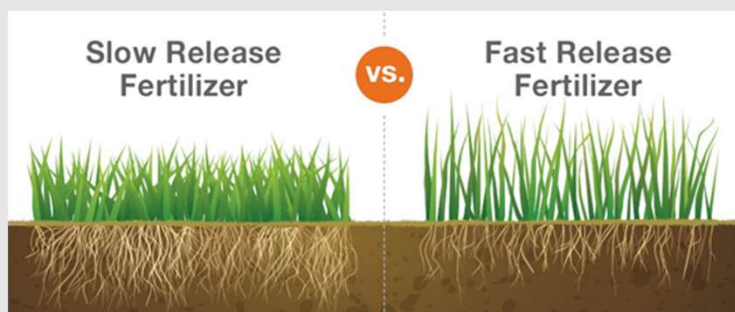


The plant is more energy efficient



ATP = Adenosine Triphosphate.
ATP is one of the most important energy transmitters in organisms.

Denser, stronger plants



Fertilizers

NovaTec® N-Max 24-5-5

NovaTec® N-Max is a high nitrogen slow release fertiliser for spring/summer use, with the emphasis on nitrogen for when growth promotion is key.

- Release period of up to **10 weeks** in early Spring and Autumn when soil organisms are less active, approx. **4 weeks** in height of growing season when soil organism are most active.
- High N analysis allows low application rates and delivers economies of scale
- Perfect cost effective option for fertilising golf fairways, outfields, sports fields
- Rapid dispersal into sward

Analysis	24-2.2-4.1 (+1.2% Mg + 5% S)
Trace Elements	Boron, Iron, Zinc
Granule Size	2.0-4.0mm
Spreading Rate	20-35 g/m ²
Period of Use	August – May
Granule size	2 – 4mm

NovaTec® Premium 15-3-20

NovaTec® premium is a cost effective slow release fertiliser, especially useful as an autumn/winter or early spring starter. Also good all round fertilizer where high phosphate levels are present in the soil.

- Release period of up to **10 weeks** in early Spring and Autumn when soil organisms are less active, approx. **4 weeks** in height of growing season when soil organism are most active.
- A high potassium content stiffens the leaf blade to protect growth from cold weather and sustain the plant against disease
- Hardened growth keeps plants protected in cooler temperatures
- Rapid dispersal into sward

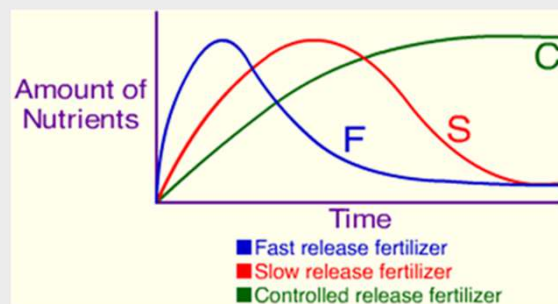
Analysis	15-1.3-16.6 (+1.8% Mg + 1% S)
Trace Elements	Boron, Iron, Zinc
Granule Size	2.0-4.0mm
Spreading Rate	20-35 g/m ²
Period of Use	June – September
Granule size	2 – 4mm





DuraTec® is a partly coated and controlled release fertilizer with nitrification inhibitor DMPP (3,4-dimethylpyrazolophosphate). It is SOP-based and excellent for application in vegetables, fruits, nursery, landscape and turf systems. Thanks to the innovative **controlled release technology** derived from Basacote® and **slow-release technology** (Novatec® DMPP), it has numerous environmental benefits, e.g. lower emission of greenhouse gases and a huge reduction of nitrogen leaching losses. On the other hand, the unique 2N-technology (nitrification inhibitor + coating) increases the nutrient efficacy, which leads to better results with less fertilizer.

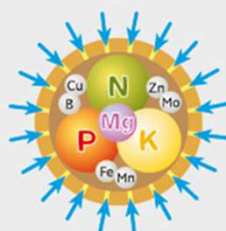
The effect of fertilizer type and nutrient release



Controlled Release Technology



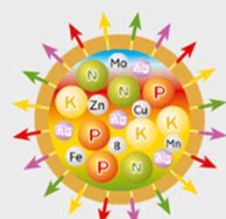
Granules are coated with an elastic polymer.



After application, water slowly enters through the pores.



The nutrients are dissolved in water. The result is a concentrated nutrient solution.



A controlled and long-term nutrient release is ensured.

Fertilizers

DuraTec® Top 24 (24-5-5)

DuraTec® Top 24 is a high nitrogen slow and controlled release fertiliser for spring/summer use, with the emphasis on nitrogen for when growth promotion is key.

- Release period of **3-4 months** in early Spring and Autumn when soil temperature is low, and **2-3 months** in height of growing season when soil temperature is high.
- High N allows low application rates with high nutrient use efficiency
- Perfect option for fertilising golf fairways, outfields, sports fields with less application frequencies
- Rapid dispersal into sward
- Micro nutrients assist in vitality and colour

Analysis	24-2.2-4.1 (+1.2% Mg + 5% S)
Trace Elements	Boron, Iron, Zinc
Granule Size	2.0-4.0mm
Spreading Rate	30-40 g/m ²
Period of Use	August – May
Granule size	2 – 4mm

DuraTec® Top 14 (14-7-14)

Duratec Top 14 is an effective slow and controlled release fertiliser, especially useful as an autumn/winter or early spring starter. Also good for establishing new lawns.

- Release period of **3-4 months** in early Spring and Autumn when soil temperature is low, and **2-3 months** in height of growing season when soil temperature is high.
- A higher potassium content stiffens the leaf blade to protect growth from cold weather and sustain the plant against disease.
- Hardened growth keeps plants protected in cooler temperatures
- Higher phosphorous assist in root development of new grass
- Rapid dispersal into sward
- Micro nutrients assist in vitality and colour

Analysis	14-3.1-11.6 (+1.2% Mg + 9% S)
Trace Elements	Boron, Iron, Zinc
Granule Size	2.0-4.0mm
Spreading Rate	30-40 g/m ²
Period of Use	June – September
Granule size	2 – 4mm



Micro Nutrient Fertilizers

Nutrimix® Complete

Nutrimix® complete is a fertilizer specifically designed to correct and prevent deficiencies of microelements in extensive and horticultural crops. Contains highly available micro and macro elements chelated and completely soluble in water.

- Sulphur (S), in synergy with nitrogen and microelements, promotes protein synthesis.
- Magnesium (Mg) and manganese (Mn) strongly stimulate photosynthetic activity.
- Iron (Fe), zinc (Zn) and copper (Cu) are fundamental constituents of vital metabolic processes of crops.

Applied by foliar application, it can be used in mixture with the most common agrochemicals.

Analysis	
Copper (Cu)	3% soluble in water
Iron (Fe)	3% soluble in water
Manganese (Mn)	4% soluble in water
Molybdenum (Mo)	0.04% soluble in water
Zinc (Zn)	3% soluble in water
Magnesium (Mg)	1.8% soluble in water
Sulphur (S)	10.8% soluble in water

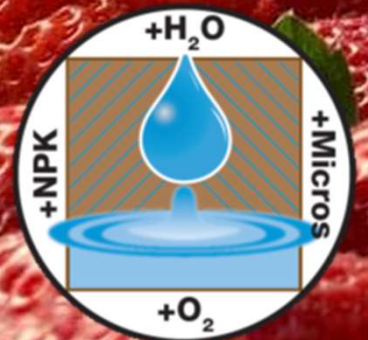


Soil Wetting Agent

Kamasol[®] Aqua

Concentrated wetting agent for the control of hydrophobic conditions in soil

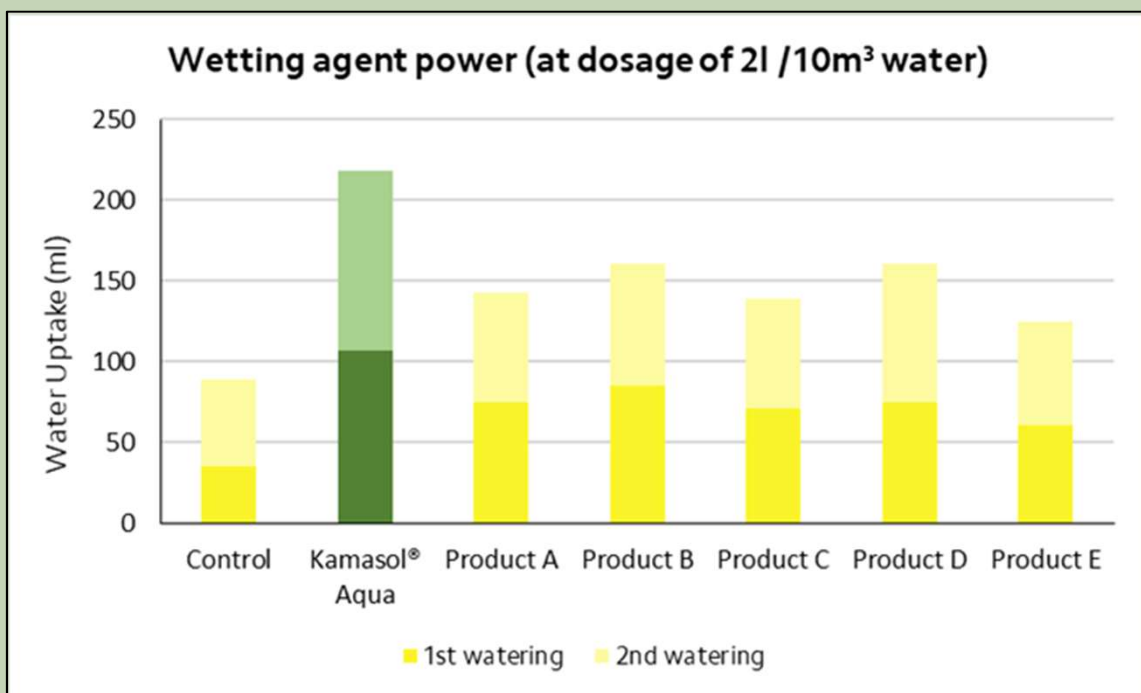
Improves hydration, nutrient availability and oxygenation of the soil wet bulb



Kamasol® Aqua

KAMASOL® AQUA is a high-efficiency concentrated **moisturizing agent** that improves the infiltration, water retention and the wet bulb of the soil, which benefits the soil moisture profile.

KAMASOL® AQUA redistributes the forces of water on the ground and this favour the availability of water, oxygen and nutrients in the root zone, which increases the positive effects in the whole plant-soil-water interaction.



The effect of Kamasol® Aqua on the soil

- ❑ Increases water infiltration and its lateral distribution in the soil.
- ❑ Decreases water losses through runoff and percolation.
- ❑ It favours the root development minimizing the pot effect.
- ❑ Maximizes nutrient assimilation: less leaching, more solubilisation.
- ❑ It allows reducing irrigation between 15-30% in controlled irrigation strategies.
- ❑ It minimizes the drought being applied previously to the rains.
- ❑ Breaks hydrophobic layer as well as surface crust.



Kamasol® Aqua



DOSAGE

Usage	Application rate	Summer	Winter
Greens and tees	250ml /1000m ²	Every 15 days	Every 30 days
Sport fields	250ml /1000m ²	Every 15 days	Every 30 days
Other grass areas	250ml /1000m ²	Every 15 days	Every 30 days



Grass Pigment

Regulan®

GreenTurf

The toughest and most durable grass pigment

Restoration of
the natural
green colour
of the lawn

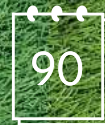


Regulan® GreenTurf – General Aspects

- ❑ It restores the natural green colour of the lawn both during dormancy in winter and during the rest of the year, in areas damaged by pathogens, water stress etc.
- ❑ It can also be mixed with sand, giving the mixture that characteristic natural green.
- ❑ Once used, the visual effect is immediate. This pigment is suitable for all types of lawn, from football fields to golf courses, gardens, racing circuits, etc.
- ❑ Regulan® GreenTurf has been used in the Olympic Games since its 1988 edition in Seoul, in the NFL (Super Bowl) finals since 1990, in the Soccer World Cups, as well as in various editions of the Ryder Cup, among other high level sports events

Achieve your desired colour

The dosage is flexible depending on the green you want.



Keeps the green colour for more than **90** days

Regulan® GreenTurf is Safe

- ❑ Regulan® GreenTurf does not contain hazardous chemicals harmful to the grass.
- ❑ Does not cause any kind of problem in light absorption or lawn development
- ❑ Once dry, the colour is not transferred to the skin or clothing.

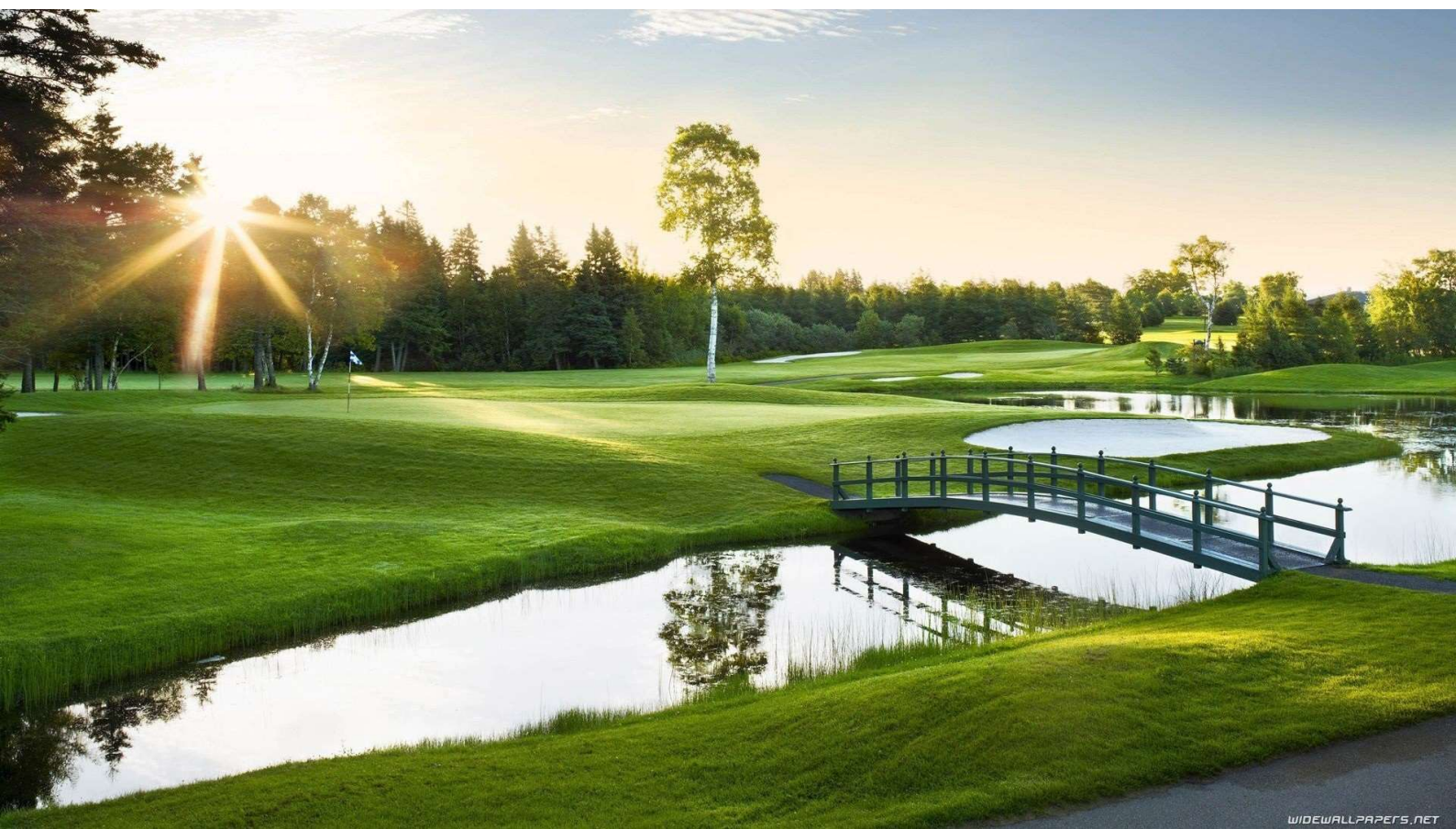




DOSAGE

Usage	Regulan® GreenTurf	Volume of water*	Area
Greens and tees	8 – 10 L	100 L	1 000 m ²
Sport fields	8 – 100 L	800 L	10 000 m ²
Other grass areas	20 – 80 L	500 – 1000 L	10 000 m ²
Knapsack sprayer	1 L	16 L	150 m ²
Sand mix	100 – 200 ml	200 ml	50 kg sand

* depending on the desired colour



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EXPERT FOR GROWTH



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