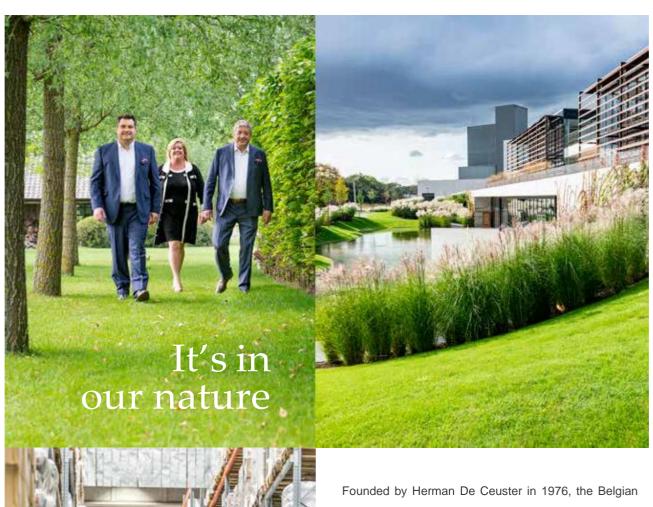


DCM MINIGRAN® FERTILIZERS Natural Technology for Turf and Soil



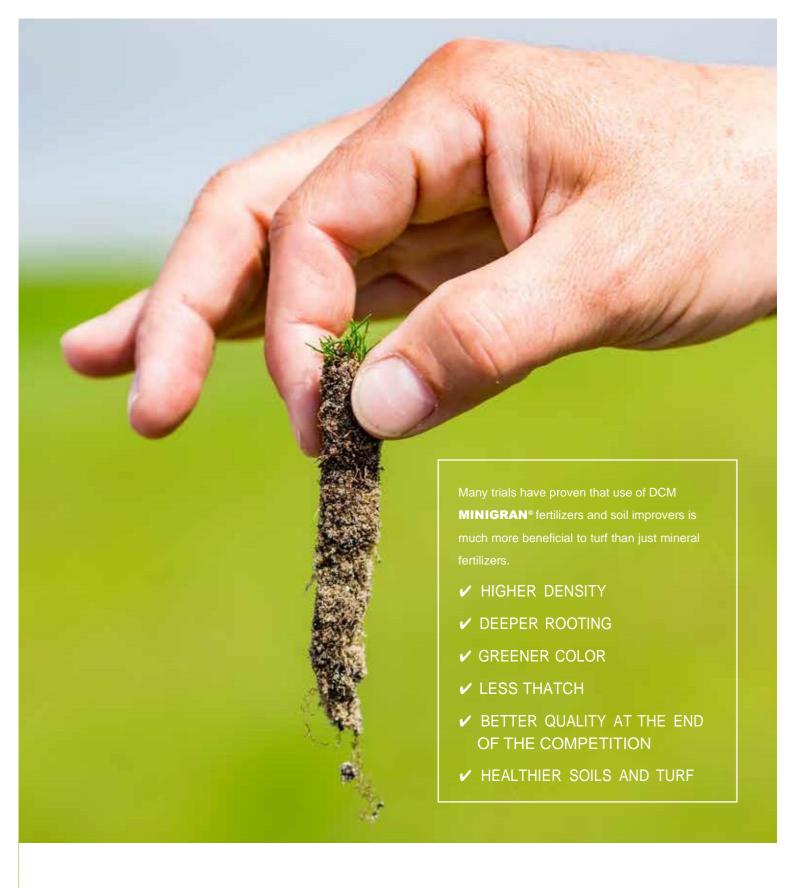


family-owned company DCM has over 40 years of experience in creating, producing and marketing high-quality organic, organic-based and natural fertilizers and biostimulants worldwide.

We do this in our own unique way, by combining concern for people and nature with technological advancement.

A team of enthusiastic and qualified researchers, advisors, sales & marketing personalities and engineers is at your disposal. Together with regional professional distributors we always succeed in finding the right solution for every application or challenge.





DCM's unique **MINIGRAN**® TECHNOLOGY ensures uniform distribution of fertilizers and contains a broad spectrum of ingredients that are beneficial to a wide range of soil life.

MINIGRAN® TECHNOLOGY



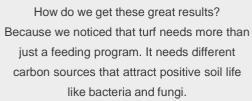
ORGANIC/ ORGANO-MINERAL FERTILIZERS





CONTROLLEDORGANIC RELEASE





And when that small ecosystem is created, it will be very beneficial to the density of the turf, the roots and the health of the plants, and it will even take care of the thatch!

In addition, DCM organic fertilizers guarantee an environmentally friendly and profitable fertilization.

Repeatedly, experiments have shown that DCM fertilizers significantly leach less into the environment, thereby increasing efficiency.

Healthy turf provides a denser, deeper rooting and greener turf.



UNIFORM DISTRIBUTION



IMPROVED ROOTING



MICROBIAL SOIL CONDITIONERS















ORGANIC /ORGANO-MINERAL FERTILIZERS

DCM fertilizers are meticulously selected from more than 30 different high-quality organic sources. Most of these are raw materials of plant or animal origin which are derived from residual flows from the food industry, given a second life by DCM! Our DCM organo-mineral fertilizers are formulas in which high-quality mineral components are harmoniously integrated. This makes these fertilizers particularly suitable for cold and wet soils or for applications requiring a quicker start.

MIXTURE OF VEGETAL, ANIMAL AND/OR MINERAL INGREDIENTS



EACH INGREDIENT HAS ITS SPECIFIC NPK CONTENT

EACH INGREDIENT IS A FEEDING SOURCE FOR SOIL LIFE





CONTROLLED ORGANIC RELEASE

The nutrient release time of DCM fertilizers has been measured by several laboratories. To characterize the duration of effectiveness of its 100 % organic fertilizers, DCM has introduced the C.O.R.® value (Controlled Organic Release). This value indicates the number of days during which the fertilizer releases its nutrients in a controlled and gradual manner. DCM's innovation, DCM Turf-Mix, is even an organo-mineral fertilizer with an action of 100-150 days.



CONTINUOUS GRASS

GROWTH



ORGANO-MINERAL FERTILIZER
WITH EXTRA LONG-LASTING
ACTION



LESS LEACHING





EVEN DISTRIBUTION

Because of the unique production process, the **MINIGRAN®** granule contains the same nutrients in each granule. Several trials have shown that **MINIGRAN®** can be distributed up to 60% more efficiently than a regular pellet or crumble! This perfect distribution ensures even growth and color, leaving no spot pattern. The small granules fall deeper into the turf, thus increasing efficiency since they are not picked up while mowing.

SPECIFIC SIEVING IN FUNCTION OF APPLICATION



STANDARD SIEVING





FINE SIEVING FOR GREENS





LARGER GRANULE DIAMETER
FOR FAIRWAYS



UNIFORMITY INDEX = 25

Distribution of 10 kg/100m2 in function of granule type



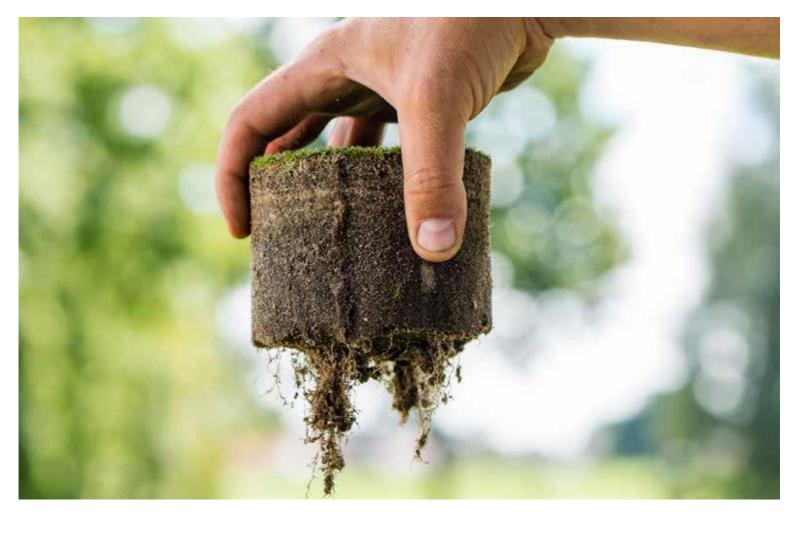


IMPROVED ROOT DEVELOPMENT

A deep and well-developed root system is important for a strong turf, more resistant against treading and stressful situations. To stimulate (re)growth of roots, DCM has specific products like DCM Vivifos® in its range. The combination of mineral and organic phosphorus sources in DCM Vivifos® ensure a quick and long-lasting phosphorus action and stronger and deeper root taking at sowing, reseeding, putting down sod as well as when aerating the soil.

DEEP AND ACTIVE ROOTS

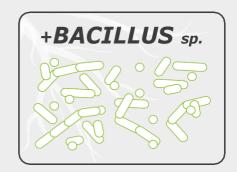
CLOSED AND STRONG TURF





SOIL IMPROVERS AND BIOSTIMULANTS

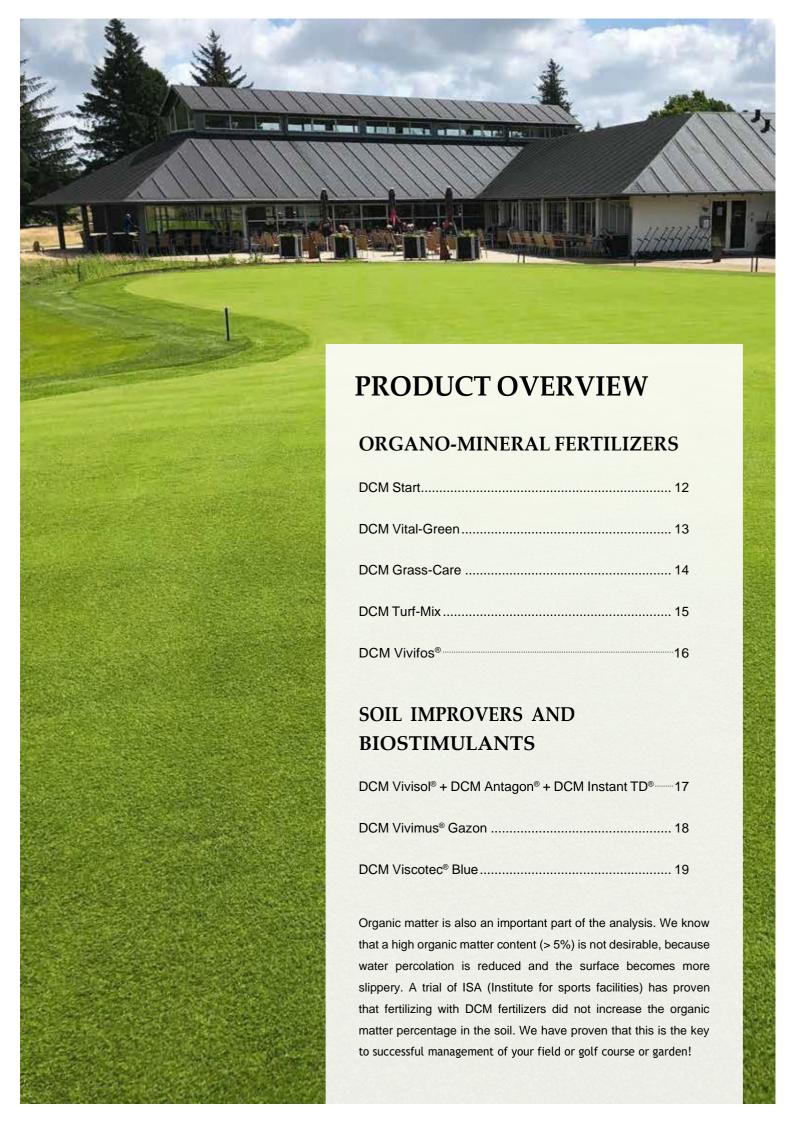
The breakdown of a wide array of organic ingredients in DCM fertilizers stimulate the development of a rich, varied and positive soil life, thus releasing organic material (humus) that improves the soil structure without making the surface slippery. DCM not only feeds this microbial life, but also offers products to bring and keep it up to the appropriate levels. These products are indispensable for a diverse and active soil life below the turf.



AND MAKE IT AVAILABLE
TO PLANT ROOTS



LIVE IN SYMBIOSIS WITH PLANT
ROOTS: THE PLANT IS MORE EASILY
PROVIDED WITH WATER AND
NUTRIENTS





DCM START

NPK 18-3-3 + 2 MgO

High demands are made on turf. Therefore, it is key to fertilize in spring using a formula high in N to obtain strong regrowth. Thanks to its specific composition, combining both fast-working and long-lasting organic nutrients with a remarkably high nitrogen content, DCM Start is an ideal fertilizer guaranteeing rapid (re)growth in spring or after reseeding.

The areas on the golf course that deal with the most play damage (divots), are the tees, especially the small tee boxes that are being used intensively. For a quick recovery of play damage, an additional fertilization rich in N, like DCM Start, may be advisable.







DCM VITAL-GREEN

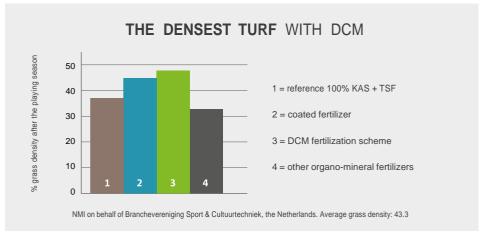
NPK 14-4-8 + 3 MgO + 0.05 % Fe (EDTA)

DCM has the perfectly balanced formula for summer fertilization. The organic nutrients in these fertilizers release evenly for a continuous growing turf with constant ball speed. The appropriate potassium content ensures a strong turf, resistant against treading. The added magnesium and iron result in a green grass color.













DCM GRASS-CARE

NPK 6-3-20 + 3 MgO + 0.1 % Fe (EDTA)

För att härda gräsmattan under vintern är det viktigt att applicera tillräckligt med kalium. Dessutom kommer sjukdomar och mossa i en stark och tät gräsmatta att ha mindre möjlighet att utvecklas. DCM Grass-Care ger inte bara kalium utan även kväve så att tillväxten fortsätter fram till vintern. Tillsatt magnesium och järnkelat säkerställer att en

djupgrön gräsfärg bibehålls under vintermånaderna. Ett extra plus: de organiska näringsämnena tvättas inte ut under vintern och stimulerar gräsets illväxt tidigt på våren.









DCM TURF-MIX

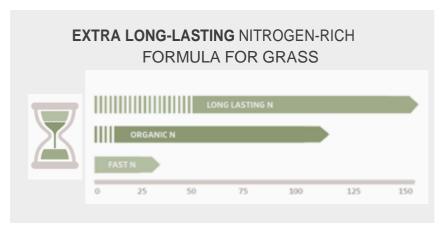
NPK 18-0-8 + 0.08 % Fe (EDTA)

DCM Turf-Mix utvecklades speciellt för att gödsla fairways och tees.

Kombinationen av olika ingredienser, av både organiskt och mineraliskt ursprung, kommer att mata gräset under en period på 4 till 5 månader. Denna formulering innehåller även kalium för att stärka gräset och förhindra en hel del skador på grund av slitage, torka och frost. Det tillsatta järnet säkerställer bättre fotosyntes och en djupgrön gräsfärg året runt. Utsläppet av näringsämnen är väl avstämt efter gräsets behov, med ökad effektivitet och lägre risk för urlakning.

DCM Turf-Mix tillverkas i en specifik, något större korndiameter, så att den kan spridas bredare. De specifika

ingredienserna i DCM Turf-Mix finns i varje MINIGRAN® granulat, i samma proportioner, så att näringsämnena fördelas jämnt för jämn tillväxt och färg.





250 - 500 kg/ha



DCM VIVIFOS®

Best phosphorus fertilizer for higher pH soils!

NP 4-30

The base of a strong turf above ground is a good root system below ground. To obtain this, sufficient and especially good absorbable phosphorus in the root zone is important. To that effect, apply DCM Vivifos® when treating the soil mechanically, at (re)seeding of when putting in sod.

The easily absorbable phosphorus sources in DCM Vivifos® ensure better and deeper root taking and a turf more resistant to external stress factors (climate, treading, playing, etc.).

Ideally suited for fast root taking when laying out turf or overseeding the goal area!











DCM VIVISOL®

Mixed organic soil improver to which bacteria have been added

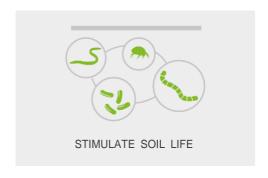
Dry matter: min. 85 %Organic matter: 60 %

• Contains Bacillus sp.: 106 CFU/gram

Stimulating soil life in an existing turf is possible by incorporating DCM Vivisol® and DCM Antagon® when aerating. Improving soil life also ensures that organic matter is broken down more easily preventing the surface from getting slippery.

By adding *Trichoderma* to Antagon®, the plant(roots) nutrient uptake is enhanced. Scientific research has shown that this means increasing the use efficiency of nitrogen, dissolving phosphorus compounds to make them available to plants, and increasing potassium and micro nutrients uptake.

Soil life stimulation during (shallow core) aeration and/or sanding



DCM ANTAGON®

Crumble - Mixed organic soil improver to which fungi have been added

NPK 4-3-2

• Contains Trichoderma: 104 CFU/gram

DCM INSTANT TD®

MINIGRAN® - Mixed organic soil improver to which fungi have been added

• Contains *Trichoderma*: 10⁵ CFU/gram





DCM VIVIMUS® LAWN

Unique organic soil improver to be used during reseeding or after scarification. Apart from play damage and molehills, also damage by moqsuito larvae and grubs can cause bald spots. To prevent these open spaces from being overtaken by weeds and moss, you have to act quickly: use DCM Vivimus® Lawn in combination with grass seed. Thanks to its composition with lava and sand, this organic soil improver mixes well with soil and ensures a better air-humidity ratio in the top layer and an ideal root environment. A layer of DCM Vivimus® Lawn protects the grass seed against drought, wind, birds, etc. and will make overseeding successful.

Top class product for repairing bald, burnt spots in the turf.



Instructions for use:

50 - 100 L DCM Vivimus® Lawn /10 m²
Make a mixture of 60 L DCM Vivimus Lawn with 150 - 300 g grass seeds for 15 m²



DCM VISCOTEC® BLUE

NK 9-5 – 45 % TOTAL AMINO ACIDS

DCM Viscotec® Blue combines a high content of 9% nitrogen (N) of vegetable origin with 5 % potassium (K_2O) for a quick effect on both growth and turf color.

Thanks to its gel formulation, DCM Viscotec® Blue is highly concentrated and allows easy dosing. The product is highly water-soluble and the stirred, diluted solution remains stable (no precipitation). 100% organic and low in EC!



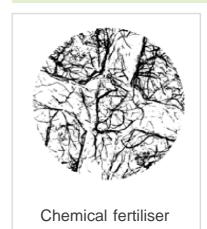




DOSAGE:

Periodical top dressing: 2 - 4 grams/L nutrient solution

Biostimulant effect = better root development







Biostimulant effect on seedlings, Scientia Terrae vzw, Belgium, 2017



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