



ADSOIL[®]

SOIL AMENDMENT



DIAMIX



**TURFGRASS
PRODUCERS
INTERNATIONAL**

- Does your garden have shaded and sunny areas?
- Does your lawn grow unevenly?
- Are you afraid of your garden turning to dust without regular watering during hot summers?
- Are you tired of digging every year?
- Are you a casual gardener?

ADSOIL is the best solution for you!





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ADSOIL – CALCINED DIATOMACEOUS EARTH

ADSOIL is a soil amendment made from granulated diatomaceous earth

ADSOIL is a unique porous material with huge absorption capacity (water absorption – up to 140%)

ADSOIL is a lightweight and durable material; it resists compaction and endures vertical and dynamic loads

ADSOIL is a long-lasting chemically inert and ecologically friendly material. **ADSOIL** does not contain arsenic or any other heavy metals

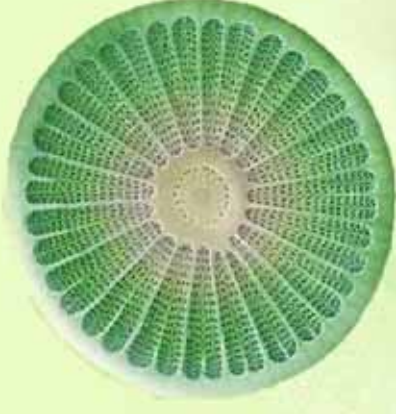


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UNIQUE DIATOMS

ADSOIL is made from a natural diatomaceous earth

Diatomite is a silica sedimentary rock consisting of tiny folds of ancient diatomite algae called diatoms



Thanks to the naturally porous diatoms, **ADSOIL** balances water and air in the soil





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ADSOIL – NATURAL MINERAL

Due to its porosity ADSOIL:

- Absorbs water very fast
- Increases the water available for plants
- Helps flush salts and metals from soil
- Protects against temperature extremes
- Increases soil aeration
- Resists compaction
- Absorbs moisture from the air



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ADVANTAGES OF ADSOIL

1. Stronger root systems

ADSOIL encourages plants to grow more and stronger roots, which in turn helps plants resist disease and water stress

2. Stable long-lasting results under water stress

ADSOIL helps roots and plants during times of stress (e.g. drought conditions, dramatic temperature changes) and improves crop yields. ADSOIL is remarkable for its gradual water release (through evaporation and the capillary method)

3. Lawns look better

According to Institute research, turf planted in an ADSOIL mix is visibly greener when there are water shortages



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ADSOIL APPLICATIONS

1. Laying new gardens and renovating existing fields:

ADSOIL is highly effective when added 10% by volume to the top 10-15 cm of the soil profile

2. Topdressing of existing turf:

- The most effective rate for topdressing of problem areas is 50% ADSOIL and 50% sand blend to promote better soil aeration
- If 100% ADSOIL is added, this helps to reduce harmful soil organisms and water use



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ADSOIL APPLICATIONS

3. Landscaping and gardening:

- For new lawns, apply 2,5-5 kg of ADSOIL per 1 m² of surface area into the top 15-20 cm of soil
- For flower beds and roof gardens, incorporate 10-20% by volume of ADSOIL into the cultivated soil
- For trees, bushes, ornamental plants and perennials, mix 10-20% by volume of ADSOIL with the soil



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ADSOIL APPLICATIONS

- For container and indoor plants, add 10-20% by volume of ADSOIL. The rate may vary depending on the type and size of the plant, as well as the location of the pot

ADSOIL provides an essential nutrient medium for container plants due to its soluble SiO_2

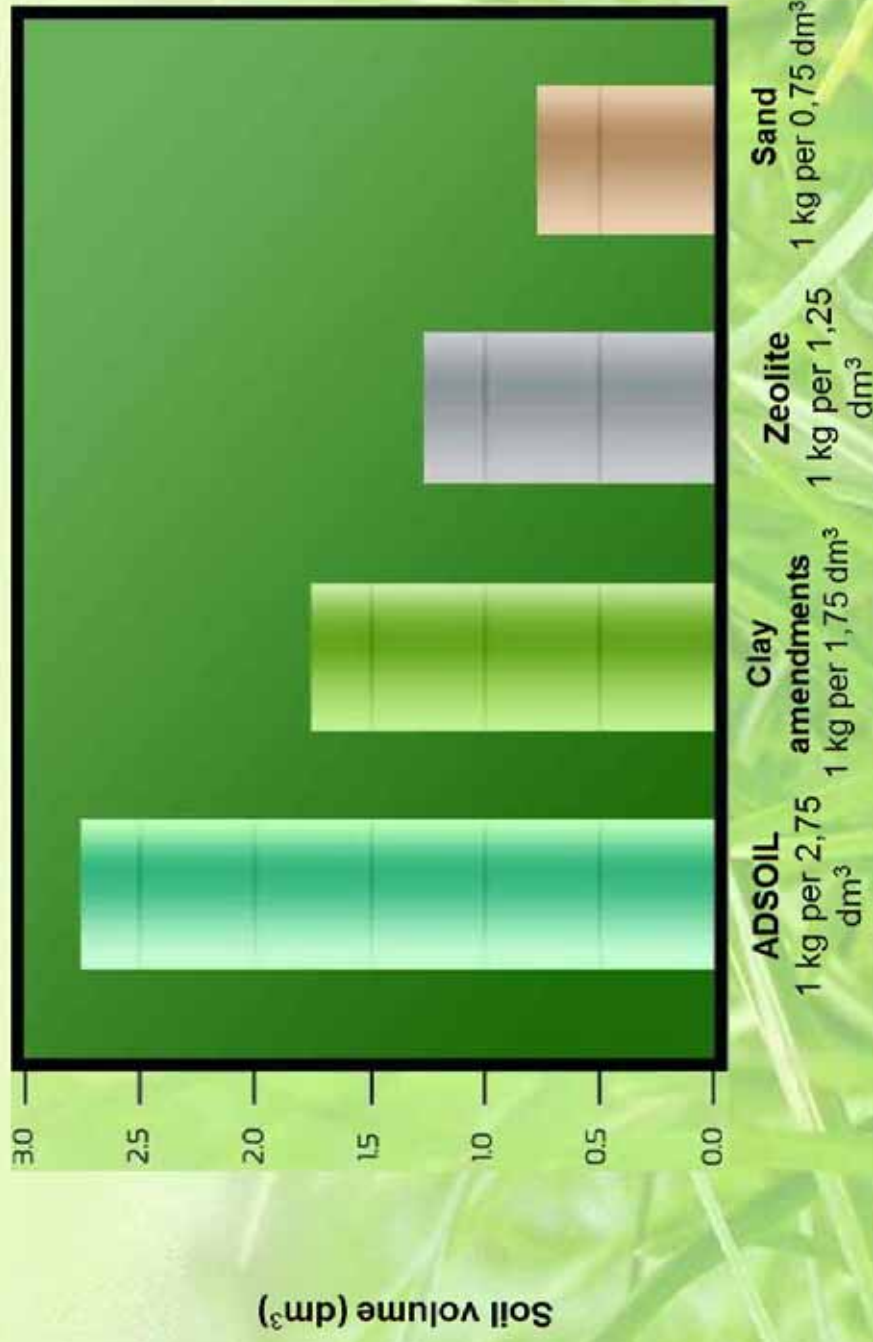
Thanks to its porous structure and unique absorption qualities, ADSOIL promotes a gradual water and nutrient release, reduces the need for watering and increases crop yields



WHY ADSOIL?

ADSOIL is a lightweight material in comparison with other inorganic soil amendments. Just a small amount of ADSOIL is needed for 1 m² to give a considerable improvement in the soil structure

Required volume of ADSOIL and other additives



Characteristics	ADSOIL	
	Standard	Standard Plus
Grain size, mm	1-6	0,5 – 1,5
Bulk density, kg/m ³	480	465
Waterabsorption (ASTM F 726), %	95	105
Specific gravity, g/cm ³	2,0	
pH	6,4	
Chemical composition, %:		
SiO ₂	88,52	
Al ₂ O ₃	5,89	
Fe ₂ O ₃	2,72	
CaO	0,37	




Characteristics	ADSOIL	
	UNIVERSAL	EXTRA
Grain size, mm	0,3 - 5,0	0,3 - 1,5
Bulk density, kg/m ³	380	400
Waterabsorption (ASTM F 726), %	150	154
Specific gravity, g/cm ³	2,0	
pH	6,4	
Chemical composition, %:		
SiO ₂	88,52	
Al ₂ O ₃	5,89	
Fe ₂ O ₃	2,72	
CaO	0,37	






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ADSOIL APPLICATION

Diatomite – a core natural material often used for the production of soil additives

ADSOIL is widely used for golf courses and sport fields, as well as for landscape applications

The advantages of ADSOIL have already been evaluated in many countries across the world, including in Canada, Germany, France, Switzerland, Italy, Israel, and the UAE

Golf courses



Sport fields



Landscaped gardens





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