

Professional peat mixtures and soils



VELTORE



Dear colleagues!

Veltorf LLC is a modern, actively developing enterprise, the primary activity of which is processing of the milled and dug peat, production of a wide range of high quality goods for usage in vegeculture, landscape industry, floriculture and forestry as a plant growth medium, in agriculture for preparation of fertilizers or as a bedding in cattle breeding.

The enterprise has a stable raw material base – the peat removal is performed at the Galskiy mokh field situated in Velikolukskiy and partly Kunyinskiy districts of the Pskov region, the deposit volume as of 1 January 2014 amounts to 5698.02 thsnd, tons.

The production of each type of the Veltorf product is perfectly fine-tuned. All soils are characterized by the high quality, unique balanced formulas (currently there are more than 200 of them), perfectly matched formulas of macro and microelements, modern and unique developments that contain all necessary components for the plants. All developed products provide for the increase in productivity and ensure a balanced development of any plant, and are always eco-friendly and absolutely safe for people and domestic animals.



Operating departments of the plant are fitted out with the modern high technology equipment made by one of the world leading manufacturers. The in-house laboratory of the plant regularly carries out chemical, physical and biological analysis of the incoming raw materials and ready peat mixtures, which enables us to keep strict control of the quality of our production.

During three years of active operation in the Russian market, Veltorf LLC has proved itself as a secure supplier of the high quality production for horticulture with a high level of client service and technologies that have no analogues in the territory of Russia and the near-abroad countries. Supplies have been arranged to more than 380 enterprises among which there are big greenhouse complexes, decorative crop and fruit and berry crop nurseries, agricultural plants, garden centers, general improvement and landscaping centers, scientific-research institutes, forestry enterprises, situated in 30 districts from the North-western region to the Ural region of Russia. Besides, since 2013 the company has been collaborating with the federal retail chains such as OBI (19 stores in the Russian Federation), Magnet (more than 130 hypermarkets in the Russian Federation), Leroy Merlin (24 stores in the Russian federation), Kangaroo (39 stores in 4 regions of the Russian Federation), Belaya Dacha (St. Petersburg).

Thank-you letters from clients, diplomas for participation in exhibitions, acknowledgement in the biggest professional Russian associations, bronze, silver medals for “The best quality of products” at the international exhibition “Flowers” in 2011, 2012 and 2013, successful experience of work with the relevant scientific-research institutes in creation of new products speak of a dynamic development of Veltorf LLC.

Supporting the government policy of the Russian Federation aimed at increasing the energy efficiency of the regions due to switch to the usage of the local fuel types Veltorf LLC also supplies milled and sod fuel peat for public living needs providing the districts of the Pskov region with the eco-friendly, low-ash fuel with high heating capacity.

Considering “ecologically natural horticulture as a guaranty of the nation’s health” their mission Veltorf LLC expresses their willingness for a fruitful cooperation in the economic and social spheres for maintaining a balance of interests of the society, government and business.

**OUR MISSION IS ECOLOGICALLY NATURAL HORTICULTURE AS A GUARANTY
OF THE NATION’S HEALTH.
LOOKING FORWARD TO A COOPERATION!**

PEAT REMOVAL



Development and removal of peat is performed at the Galskiy mokh field with the use of the modern specialized PremierTech System Ltd (Canada) и Valtra (Finland) equipment.

The quality of the deposit of the Galskiy mokh field allows to remove milled and dug peat for agricultural needs as well as peat for its effective use as simple, safe, pure fuel.

The results of the tests carried out in the laboratory of peat and its derivative products of the All-Russian Research Institute of the Peat Industry confirm the high quality of the removed peat and the compliance of its composition with the requirements of GOST P 51661.2-2000.

PROCESSING

The peat processing plant is fitted out with the modern high technology equipment made in Canada:

Fractionation train

Peat coming from the place of removal is divided into five fractions of the following sizes: 0-5, 0-10, 5-20, 15-40 and bigger than 40 mm. Before the division into fractions, the raw material is subject to a clarification from the accidental inclusions on a revolving disk grizzly. 40 mm particles and bigger ones go to a hammer grinder for further fractionation or are removed from the processing chain. Division into fractions of 0-5, 0-10, 5-20, 15-40 and bigger than 40 mm sizes allows to get a peat base for the substrates with the needed particle sizes and minimal number of accidental inclusions.



Mixing line

7 measuring pockets for adding dry components and 2 for adding liquid components allow getting high quality substrates with the required pH index and percentage composition of micro and macro elements corresponding to the Purchaser's requirements.

It is possible to add four types of fertilizers in solid state, perlite and vermiculite, fertilizer liquids, wetting agent which allows to decrease the drench time of the substrate in hothouse facilities. Technologically it is possible to mix different types and fractions with sand or clay for using the derived mixture as a substrate base.



Distribution line

The equipment of the line allows to submit the finished product to the packaging line to be packed in bales of 3 / 4,5 / 5,2 m³ in volume, in plastic bags of 5 to 100 l in volume as well as for a dispatch without packing (in bulk).



Packaging line

The line includes a press for packaging the product by way of its compression with the 2,1 coefficient with sealing the top of the package as well as equipment for marking, placing the finished packages of 3 / 4,5 / 5,2 m³ in volume on to the pallets and their transportation outside the processing line for stocking them up and shipping to the Purchaser. The Production capacity of the press allows to get 20 packages per hour.



Laboratory

The in-house laboratory of the plant regularly carries out chemical, physical and biological analysis of the incoming raw materials and ready peat mixtures, which enables us to keep strict control of the quality of our production.

The products made by the Veltorf LLC peat processing plant are intended for use in agriculture, landscape industry, floriculture and forestry as plant growth media.

PROFESSIONAL MARKET

- Big and average hothouse facilities and agricultural enterprises raising seedlings, green, flower and fruit and berry crops, mushrooms and other greenhouse products.
- Wholesale trade enterprises and self-employed entrepreneurs, peat and soil manufacturers.
- Landscape industry organizations.
- Agricultural enterprises that use peat as a bedding for the cattle, compost preparation.

For the professional market the plant offers the following products:

- Pure high bog peat with the low decomposition level dissipated into the following fractions: 0-5, -10, 5-20, 15-40 and bigger than 40 mm.
- Neutralized high bog peat, dissipated into fractions: 0-5, 0-10, 5-20, 15-40, bigger than 40 mm.
- A wide range of high quality peat substrates for cultivation of vegetable, herbaceous, flower crops, foliage trees and shrubs as well as for the landscape industry needs.

Fractions of peat mixtures:

Mixture of sifted milled peat and dug peat is used in the production of peat mixtures, which provides for the appropriate access of oxygen to the plant roots. Depending on the intended usage of the peat substrate the following fractions are used:

0-10 mm



5-20 mm



15-40 mm



and bigger than 0-40 mm



Production capacity of the plant allows to manufacture products upon different formulations including made to orders products. The substrates are characterized by unique balanced formulations (currently there are more than 200 of them), perfectly matched formulas of macro and micro elements, modern and unique developments containing all useful components for the plants.

FORMULA (main)

For the professional market the plant offers standard peat substrates:

Pure high-bog peat with the low decomposition level, diffracted, formula # 1/1

USAGE

Used in horticulture, plant raising and landscape architecture: for improving the soil structure, for mulching, for preparation of substrates.

Milled peat – 70%, dug peat – 30%, fraction 0-10 mm, pH (KCI) 3-4

Neutralized high-bog peat with the low decomposition level, diffracted, formula # 2/2

USAGE

Used for preparation of substrates for cassette type, low-volume technologies, for production of the all-purpose soil for raising the short vegetation term plants (bulbous flower crops, chrysanthemums and other planting stock), for herbaceous crops mulching, currant shrubs and fruit tree pans, as a soil amendment.

Milled peat – 70%, dug peat – 30%, fraction 0-10 mm, pH (KCI) 5,5-6,5

Limestone meal - 7 kg/m³, dolomitic meal – 3 kg/m³

Peat substrate, formula # 4ΠΠ0/2

USAGE

Used for seeding production of raspberry, currant, gooseberry, thuya and other small-fruit crops in cassettes and pots.

Milled peat – 55%

Dug peat – 35%

Clay – 10%

Sand – 10%

Fraction 5-20 mm, pH (KCI) 4.5-5.5

Limestone meal = 3.5 kg/m³, dolomitic meal – 1.5 kg/m³, PG Mix – 1.0 kg/m³

Osmokot – 2.8 kg/m³

Peat substrate, formula # 5ΠΠ0/3

USAGE

Used for drooping flowers and decorative plants in pots and pyramids: petunia, fuchsia pelargonium, etc.

Milled peat – 60%

Dug peat – 30%

Clay – 10%

Fraction 5-20 mm, pH (KCI) 5.0-6.0

Limestone meal – 5.0 kg/m³, dolomitic meal – 3.0 kg/m³, PG Mix – 1.2 kg/m³

Osmokot – 2.8 kg/m³

Peat substrate, formula # 5C/1

USAGE

Used for cassette raising of vegetable and flower crops: tomatoes, peppers, cucumbers, radish, onion, beetroot, peas, potato, tulips, chrysanthemums, lilies, etc.

Milled peat – 70%

Dug peat – 30%

Fraction 0-10 mm, pH (KCI) 5.5-6.5

Limestone meal – 7.0 kg/m³, dolomitic meal – 3.0 kg/m³, PG Mix – 1.2 kg/m³

Penetrant – 0.2 l/m³

Peat substrate, formula # 6C/2

USAGE

Used for raising of vegetable crops till fruiting time and flower crops till flowering: tomatoes, peppers, cucumbers, radish, onion, beetroot, peas, potato, tulips, chrysanthemums, lilies, etc.

Milled peat – 70%

Dug peat – 30%

Fraction 5-20 mm, pH (KCI) 5.5-6.5

Limestone meal – 7.0 kg/m³, dolomitic meal – 3.0 kg/m³, PG Mix – 1.35 kg/m³

Wetting agent – 0.2 l/m³

Peat substrate, formula # 7ГПЮ/2

USAGE

Used for raising of flowers and decorative plants in pots of 8 cm diameter and bigger: begonias, dracaenas, pelargoniums, tulips, freesias, roses.

Milled peat – 55%

Dug peat – 25%

Clay – 10%

Sand – 10%

Fraction 5-20 mm, pH (KCI) 5.5-6.5

Limestone meal – 4.5 kg/m³, dolomitic meal – 2.5 kg/m³, PG Mix – 1.5 kg/m³

Wetting agent – 2.8 l/m³

Peat substrate, formula # 9C/1

USAGE

Used for seeding production of pines and firs in cassettes as well as rhododendrons, azaleas, heather, bromeliad, ivy, garden hydrangeas, bush bilberry, cranberry.

Milled peat – 65%

Spade-cut peat – 25%

Perlite – 10%

Fraction 0-10 mm, pH (KCI) 4.5-5.5

Limestone meal – 6.5 kg/m³, dolomitic meal – 3.5 kg/m³, PG Mix – 1.0 kg/m³

Wetting agent – 0.2 l/m³

Peat substrate, formula # 15C/1

USAGE

Used for cassette raising of green and flower crops: basil, dill, parsley, celery, tulips, chrysanthemums, lilies, etc.

Milled peat – 65%

Dug peat – 20%

Perlite – 15%

Fraction 0-10 mm, pH (KCI) 5.5-6.5

Limestone meal – 7.0 kg/m³, dolomitic meal – 3.0 kg/m³, PG Mix – 1.2 kg/m³

Wetting agent – 0.2 l/m³

Quality control

In-house independent laboratory of the plant regularly conducts chemical, physical and biological analysis of the peat mixtures which enables us to strictly control the quality of the products.

Packing

Standard pre-packing of the peat substrates – on a pallet polyethylene packages (big bales) of the following volumes:

Euro trailer (20 t) contains:

3 m³ – 26 pallets;

4,5 m³ – 20-22 pallets;

5,2 m³ -20 pallets.



Big bales 3 m³



Big bales 5,2 m³

Transportation:

Delivery is a customer pick-up from the manufacturer's stock; also delivery is done on a prepaid basis by transport companies fruitfully cooperating with VELTORF.



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