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GERMAN GROWING SUBSTRATES & POTTING SOILS

BALTIC PEATS & PEAT SUBSTRATES

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FERTILISERS
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Your professional programme
for visible planting success !

GERMAN GROWING SUBSTRATES & POTTING SOILS

SICOFLOR® products are produced in most up-to-date factories with the latest scientific know-how and technology to meet the high quality standards demanded today in our export markets.

Computer-controlled metering systems operate with extreme accuracy, whilst intensive mixing processes ensure a homogeneous uniform quality. This is also guaranteed by continuous quality controls during the production process itself and by examination of samples for the most important components, such as pH and salt content.
Only products meeting our strict quality standards are allowed to leave our factories !!!
SICO's professional programme for horticulture, house and garden comprises:

SICOFLOR® GERMAN GROWING SUBSTRATES & POTTING SOILS :
a complete range for successful horticulture!

Type 1:	Seedling & young plant substrate
Type 2:	Plant potting substrate
Type 3:	Compressed peat pot substrate (blocking compost) with or without 1.5 kg PG mix
Type 4 :	Universal potting soil (for hobby gardens)
Type 5:	Container (potting) substrate
Type 6:	Azalea substrate
Type 7:	Tray (sowing) substrate
Type 8:	Clay potting substrate
Type 9:	Universal substrate incl. 3-4 M (months) slow release NPK 16.11.11 + starter NPK 18.10.20
Type 10:	Universal substrate incl. starter NPK 18.10.20
Type 11 :	Seedling substrate & potting soil incl. starter NPK 14.16.18

EVERY TIME THE *right* SOLUTION !

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GERMAN GROWING SUBSTRATES AND POTTING SOILS

TOPSELLER

SICOFLOR SEEDLING & YOUNG PLANT SUBSTRATE, SOWING SUBSTRATE — TYPE 1

APPLICATIONS
- For sowing and transplanting young plants.
- For growing cuttings.
- For potting salt-sensitive cultures, apart from ericaceous plants.

Thanks to its special nutritional composition suitable for young plants, this substrate is ideal for sowing and breeding young plants. This substrate is earth-moist, so it can be used straight away. It can be processed in crating and potting machines without any problems.

COMPOSITION : Mixture of approx. 50% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 50% vol. highly decomposed peat from raised bogs (frozen black peat).
STRUCTURE : Fine with low level of fibres.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	0.9 - 1.1 g/ltr
Nitrogen (N)	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	300 - 370

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 180 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR PLANT SUBSTRATE, POTTING SUBSTRATE — TYPE 2

APPLICATIONS
For all potted plants, bedding and balcony plants. The structure and nutrients of the substrate are ideally rated to the needs of the plants. Its moist condition means it can be processed in potting machines without any problems. After the plants have taken root, they must be fertilised depending on the plant type and size.

COMPOSITION : Mixture of approx. 70% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 30% vol. highly decomposed peat from raised bogs (frozen black peat).
STRUCTURE : Medium to coarse structure.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	1.4 - 1.6 g/ltr
Nitrogen (N)	200 - 340 mg/ltr
Phosphate (P2O5)	110 - 190 mg/ltr
Potassium oxide (K2O)	225 - 370 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml aqua dest.)	400 - 500

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	200 - 340 mg/ltr
Phosphate (P2O5)	110 - 190 mg/ltr
Potassium oxide (K2O)	225 - 370 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR COMPRESSED PEAT POT SUBSTRATE (BLOCKING COMPOST) with or without 1.5 kg PG mix — TYPE 3

APPLICATIONS
For the production of press pots for cultivating young vegetable plants. The substrate has a high level of black peat with good pressing and adhering properties. For plants with low nutritional needs. The soil-moist substrate must be sufficiently moistened before processing to produce durable, adhering press pots. If the substrate is too wet, the pots cannot be pressed firmly enough. This product can also be supplied with 1.5 kg PG mix.

COMPOSITION : Mixture of approx. 25% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 75% vol. highly decomposed peat from raised bogs (frozen black peat).
STRUCTURE : The fine structure guarantees good processing press pot machines.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	0.9 - 1.1 g/ltr
Nitrogen (N)	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 120 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	300 - 370

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 120 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR UNIVERSAL POTTING SOIL (for hobby gardens) — TYPE 4

APPLICATIONS
For hobby gardens, universally suitable for all types of flowers, except heather-type plants. It contains all the nutrients which are important for the plant growth.

COMPOSITION : Mixture of approx. 30% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 70% vol. highly decomposed peat from raised bogs (frozen black peat), sand and NPK-fertiliser
STRUCTURE : Medium
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	approx. 1.8 g/ltr
Nitrogen (N)	160 - 270 mg/ltr
Phosphate (P2O5)	160 - 270 mg/ltr
Potassium oxide (K2O)	230 - 380 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	500 - 650

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	160 - 270 mg/ltr
Phosphate (P2O5)	160 - 270 mg/ltr
Potassium oxide (K2O)	230 - 380 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR CONTAINER SUBSTRATE, POTTING SUBSTRATE — TYPE 5

APPLICATIONS
For cultivating nursery plants and shrubs in containers, apart from ericaceous plants. The substrate is the basis for successful container cultivation. The provision of nutrients guarantees a good start and rapid rooting of the nursery plants. Depending on plant type, container size and season, re-fertilisation may be necessary depending on the cultivation status.

COMPOSITION : Mixture of approx. 70% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 30% vol. highly decomposed peat from raised bogs (frozen black peat).
STRUCTURE : Medium to coarse structure.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	1.4 - 1.6 g/ltr
Nitrogen (N)	200 - 340 mg/ltr
Phosphate (P2O5)	110 - 190 mg/ltr
Potassium oxide (K2O)	225 - 370 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	400 - 500

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	200 - 340 mg/ltr
Phosphate (P2O5)	110 - 190 mg/ltr
Potassium oxide (K2O)	225 - 370 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR AZALEA SUBSTRATE — TYPE 6

APPLICATIONS
Special substrate for azalea.

COMPOSITION : Mixture of approx. 70% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 30% vol. highly decomposed peat from raised bogs (frozen black peat). Northern German high bog peat. Degree of decomposition: H3 - H7
STRUCTURE : Medium.
CHEMICAL PROPERTIES

pH value (CaCl2)	4.0 - 4.8
pH value (H2O)	4.5 - 5.3
Salt level (KCl)	0.4 - 0.6 g/ltr
Nitrogen (N)	55 - 125 mg/ltr
Phosphate (P2O5)	30 - 70 mg/ltr
Potassium oxide (K2O)	60 - 140 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	190 - 250

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	55 -125 mg/ltr
Phosphate (P2O5)	30 - 70 mg/ltr
Potassium oxide (K2O)	60 - 140 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR TRAY SUBSTRATE, SOWING SUBSTRATE — TYPE 7

APPLICATIONS
The fine fibre-free, weakly fertilised special substrate is ideal for sowing and cultivating vegetables and ornamental plants in trays and multi-cell systems. Thanks to its excellent crumbling properties, the substrate can be used on automatic filling lines without any problems and is also suitable for all modern growing systems.

COMPOSITION : Mixture of approx. 35% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 65% vol. highly decomposed peat from raised bogs (frozen black peat) and approx. 3% vol. quartz sand. The quartz sand improves the crumbling and wetting of the substrate.
STRUCTURE : Very fine crumbly substrate without fibres.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	0.9 - 1.1 g/ltr
Nitrogen (N)	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	300 - 370

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR CLAY POTTING SUBSTRATE, POTTING SUBSTRATE — TYPE 8

APPLICATIONS
Universal substrate for all potted plants, particularly for cyclamen, bedding and balcony plants. The addition of granulated clay makes a considerable improvement to water absorption and re-moistening.

COMPOSITION : Mixture of approx. 70% vol. slightly to moderately decomposed peat from raised bogs (white peat) and 30% vol. highly decomposed peat from raised bogs (frozen black peat). Granulated clay is added to each cubic meter, equal to approx. 10% vol.
STRUCTURE : Medium to coarse structure.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	1.4 - 1.6 g/ltr
Nitrogen (N)	200 - 340 mg/ltr
Phosphate (P2O5)	110 - 190 mg/ltr
Potassium oxide (K2O)	225 - 370 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	400 - 500

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	200 - 340 mg/ltr
Phosphate (P2O5)	110 - 190 mg/ltr
Potassium oxide (K2O)	225 - 370 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR UNIVERSAL SUBSTRATE 3-4 M incl. SLOW RELEASE NPK 16.11.11 + STARTER NPK 18.10.20 — TYPE 9

APPLICATIONS
Universal substrate for interior and outdoor plants, vegetable gardens, horticulture, lawns & turf, etc.

* plse note that the nutrients in the slow release fertiliser are not taken into consideration in these values as the nutrients get only released slowly.

COMPOSITION : Mixture of approx. 50 vol. % slightly to moderately decomposed peat from raised bogs (white peat) and abt 50 vol. % highly decomposed peat from raised bogs (frozen black peat), 1 kg starter NPK fertiliser 18.10.20 and 1.5 kg slow release NPK 16.11.11, 3-4 months slow release activity. Northern German high bog peat. Degree of decomposition : H3 - H7. **STRUCTURE :** Fine
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	0.9 - 1.1 g/ltr*
Nitrogen (N)	110 - 250 mg/ltr*
Phosphate (P2O5)	60 - 140 mg/ltr*
Potassium oxide (K2O)	120 - 280 mg/ltr*
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	300 - 370*

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR UNIVERSAL SUBSTRATE incl. STARTER NPK 18.10.20 — TYPE 10

APPLICATIONS
Universal substrate for interior and outdoor plants, vegetable gardens, horticulture, lawns & turf, etc.

COMPOSITION : Mixture of approx. 50 vol. % slightly to moderately decomposed peat from raised bogs (white peat) and approx. 50 vol. % highly decomposed peat from raised bogs (frozen black peat) & NPK fertiliser 18.10.20. Northern German high bog peat. Degree of decomposition : H3 - H7
STRUCTURE : Fine
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0
pH value (H2O)	5.7 - 6.5
Salt level (KCl)	0.9 - 1.1 g/ltr
Nitrogen (N)	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	300 - 370

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	110 - 250 mg/ltr
Phosphate (P2O5)	60 - 140 mg/ltr
Potassium oxide (K2O)	120 - 280 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR SEEDLING SUBSTRATE & POTTING SOIL incl. STARTER NPK 14.16.18 — TYPE 11

APPLICATIONS
Seedling and young plant substrate & potting soil for sowing, cuttings, rearing seedlings and picking out. Recommended for salt-sensitive plants & horticultural nurseries.

COMPOSITION : Mixture of approx. 15 vol. % slightly to moderately decomposed peat from raised bogs (white peat) and approx. 85 vol. % highly decomposed peat from raised bogs (frozen black peat) and NPK starter fertiliser 14.16.18 and lime.
STRUCTURE : Fine
CHEMICAL PROPERTIES

pH value (CaCl2)	5.0 - 6.0
Salt level (KCl)	1.3 - 1.7 g/ltr
Nitrogen (N)	150 - 260 mg/ltr
Phosphate (P2O5)	180 - 300 mg/ltr
Potassium oxide (K2O)	190 - 320 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	400 - 500

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N) NO3-N + NH4-N	150 - 260 mg/ltr
Phosphate (P2O5)	180 - 300 mg/ltr
Potassium oxide (K2O)	190 - 320 mg/ltr

With all necessary trace elements: • boron • iron • copper • manganese • molybdenum • zinc

SICOFLOR
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For fast germination and growth !

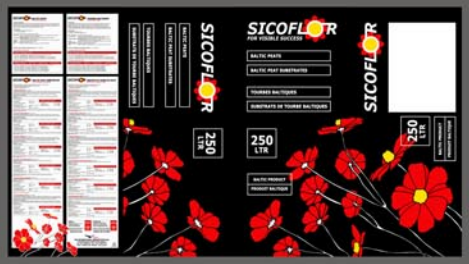
BALTIC PEATS & PEAT SUBSTRATES

A complete range of natural products available in compressed 250 ltr (INPUT) bales. Ready-to-use natural products, in different structures, with or without wetting agent, with or without lime & NPK fertiliser.

SICOFLOR® BALTIC PEATS are pure high grade white peats (slightly decomposed) from bogs in the Baltic states. These outstanding products loosen and aerate the soil and provide a good air circulation. They store water, nutrients, maintain warmth of the soil and prevent the ground surface from waterlogging, incrustation and drying out. SICOFLOR® BALTIC PEATS promote the biological activity in the soil and activate humus formation.

SICOFLOR® BALTIC PEAT :
Your ideal humus-makers !

Type 1: PEAT STANDARD	100% white peat,	pH 2.5 - 3.5	without wetting agent	0-40 mm
Type 2: PEAT STANDARD	100% white peat,	pH 2.5 - 3.5	with wetting agent	0-40 mm
Type 3: PEAT STANDARD	100% white peat, lime, NPK 18.10.20 fertiliser	pH 5 - 6	without wetting agent	0-40 mm
Type 4: PEAT STANDARD	100% white peat, lime, NPK 18.10.20 fertiliser	pH 5 - 6	with wetting agent	0-40 mm
SICOFLOR® BALTIC PEAT EXTRA : Available in fine (0-7 mm) / medium (7-20 mm) / coarse (20-40 mm) structure :				
Type 5: PEAT EXTRA	100% white peat	pH 2.5 - 3.5	without wetting agent	0-5 mm
Type 6: PEAT EXTRA	100% white peat	pH 2.5 - 3.5	with wetting agent	0-5 mm
Type 7: PEAT EXTRA	100% white peat	pH 2.5 - 3.5	without wetting agent	10-20 mm
Type 8: PEAT EXTRA	100% white peat	pH 2.5 - 3.5	with wetting agent	10-20 mm
Type 9: PEAT EXTRA	100% white peat	pH 2.5 - 3.5	without wetting agent	20-40 mm



EVERY TIME THE *right* SOLUTION !

BALTIC PEAT SUBSTRATES

1 SICOFLOR PEAT SUBSTRATE 1 — BPS

APPLICATIONS
Fine structure for seeds, cuttings and seedlings, as well as transplanting of nitrate-sensitive plants. This ready-to-use peat substrate comprises a balanced combination of nitrogen, lime, potash and trace elements, which encourages fast germination and rapid growth of eg. vegetable young plants and aromatic herbs. Virtually free of all pests, wood and seeds.
Some suggested applications : for plants with lower nutrient requirements / for the cultivation of salt-sensitive plants.
Pots : for trays and pots < 8cm.

COMPOSITION :
Mixture of 100% vol. white peat, lime, (0.8 kg/m3) NPK 18.10.20 fertiliser, micronutrients and wetting agent.
STRUCTURE : Fine.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0	
Salt level (KCl)	+/- 0.8	g/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	270 - 330	
Water holding capacity	+/- 70 - 90	% vol.
Organic matter in % of dry matter	85 - 95	
Dry matter of gross product	+/- 90 - 130	g/ltr

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N)	80 - 200	mg/ltr
Phosphate (P2O5)	50 - 110	mg/ltr
Potassium oxide (K2O)	90 - 220	mg/ltr

2 SICOFLOR POTTING SUBSTRATE — BPS

APPLICATIONS
For the potting and re-potting of plants, as well as for the cultivation of plants which require fairly rich growth mediums. Contains all basic nutrients and major trace elements. This substrate provides a balanced substrate for plants eg. balcony plants, ornamental green plants.
Some suggested applications : for the potting and transplanting of plants / for plants with a fairly high nutrient demand.
Pots : for trays and pots > 11cm.

COMPOSITION :
Mixture of 100% vol. white peat, lime, (1.2 kg/m3) NPK 18.10.20 fertiliser, micronutrients and wetting agent.
STRUCTURE : Coarse.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0	
Salt level (KCl)	+/- 1.2	g/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	340 - 420	
Water holding capacity	+/- 70 - 90	% vol.
Organic matter in % of dry matter	85 - 95	
Dry matter of gross product	+/- 90 - 130	g/ltr

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N)	130 - 300	mg/ltr
Phosphate (P2O5)	70 - 170	mg/ltr
Potassium oxide (K2O)	140 - 340	mg/ltr

3 SICOFLOR PEAT SUBSTRATE 2 — BPS

APPLICATIONS
For the potting and re-potting of plants, as well as for the cultivation of plants which require fairly rich growth mediums. Contains all basic nutrients and major trace elements. This substrate provides a balanced substrate for plants eg. balcony plants, ornamental green plants. Use with SICOFLOR® Peat Substrate 1 when potting-in plants sensitive to nitrates.
Some suggested applications : for plants with lower nutrient requirements / for the cultivation of salt-sensitive plants.
Pots : for trays and pots > 11cm.

COMPOSITION :
Mixture of 100% vol. white peat, lime, (1.6 kg/m3) NPK 18.10.20 fertiliser, micronutrients and wetting agent.
STRUCTURE : Coarse.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0	
Salt level (KCl)	+/- 1.6	g/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	420 - 520	
Water holding capacity	+/- 70 - 90	% vol.
Organic matter in % of dry matter	85 - 95	
Dry matter of gross product	+/- 90 - 130	g/ltr

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N)	220 - 360	mg/ltr
Phosphate (P2O5)	120 - 200	mg/ltr
Potassium oxide (K2O)	240 - 400	mg/ltr

4 SICOFLOR CLAY POTTING SUBSTRATE — BPS

APPLICATIONS
Clay potting substrate.

Some suggested applications : eg. for cyclamen, balcony plants, chrysanthemum, pelargonium.
Pots : for trays and pots > 11cm.

COMPOSITION :
Mixture of 100% vol. white peat, clay powder, (1.2 kg/m3) NPK 18.10.20 fertiliser, micronutrients and wetting agent.
STRUCTURE : Coarse.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0	
Salt level (KCl)	+/- 1.2	g/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	340 - 420	
Water holding capacity	70 - 90	% vol.
Organic matter in % of dry matter	85 - 95	
Dry matter of gross product	100 - 140	g/ltr

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N)	130 - 300	mg/ltr
Phosphate (P2O5)	70 - 170	mg/ltr
Potassium oxide (K2O)	140 - 340	mg/ltr

5 SICOFLOR POINSETTIA & CYCLAMEN SUBSTRATE — BPS

APPLICATIONS
Substrate especially for Poinsettia & Cyclamen.

Pots : for pots 10-11cm for Poinsettia & Cyclamen.

COMPOSITION :
Mixture of 85% vol. white peat, 15% perlite, granulated clay, (1.2 kg/m3) NPK 18.10.20 fertiliser, micronutrients and wetting agent .
STRUCTURE : Medium coarse.
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0	
Salt level (KCl)	+/- 1.2	g/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	340 - 420	
Water holding capacity	+/- 70 - 90	% vol.
Organic matter in % of dry matter	70 - 80	
Dry matter of gross product	+/- 90 - 130	g/ltr

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N)	130 - 300	mg/ltr
Phosphate (P2O5)	70 - 170	mg/ltr
Potassium oxide (K2O)	140 - 340	mg/ltr

6 SICOFLOR PEAT SUBSTRATE 1 - 80/20 — BPS

APPLICATIONS
Fine structure for seeds, cuttings and seedlings, as well as transplanting of nitrate-sensitive plants. This ready-to-use peat substrate comprises a balanced combination of nitrogen, lime, potash and trace elements, which encourages fast germination and rapid growth of eg. vegetable young plants and aromatic herbs. Virtually free of all pests, wood and seeds.

COMPOSITION : Mixture of 80 vol. % moderately decomposed sphagnum peat from raised bogs (white peat) and 20 vol. % highly decomposed peat from raised bogs (black peat), lime (0.8 kg/m3) NPK 18.10.20 fertiliser, micronutrients and wetting agent.
STRUCTURE : Fine
CHEMICAL PROPERTIES

pH value (CaCl2)	5.2 - 6.0	
Salt level (KCl)	+/- 0.8	g/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	270 - 330	
Water holding capacity	+/- 75 - 95	% vol.
Organic matter in % of dry matter	85 - 95	
Dry matter of gross product	+/- 100 - 140	g/ltr

SOLUBLE NUTRITIONAL ELEMENTS AVAILABLE TO PLANTS (as per VDLUFA)

Nitrogen (N)	80 - 200	mg/ltr
Phosphate (P2O5)	50 - 110	mg/ltr
Potassium oxide (K2O)	90 - 220	mg/ltr