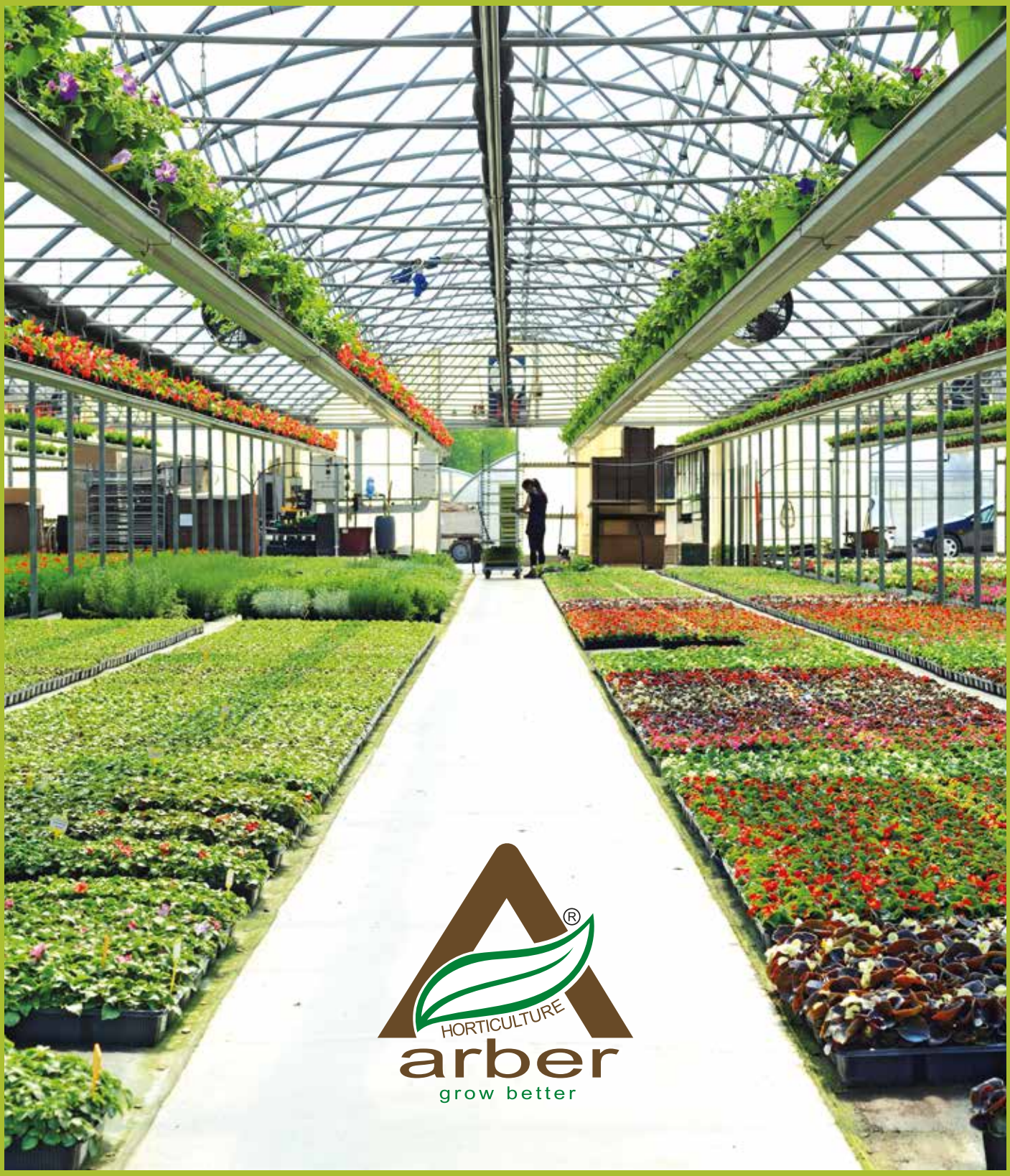
PROFESSIONAL LINE

High-quality professional cultivation substrates



Why Arber?

Arber is the surname of British scientist **Agnes Robertson** Arber, an anatomist and plant morphologist, philosopher of biology, and historian of botany. She became well-known for her significant contributions to scientific research, initially focused on monocotyledon flowering plants. She also contributed to morphological research and botanical studies. In the latter part of her life, her work focused on the philosophy of botany, particularly the nature of biological research.

We chose the name Arber for our company because, like Agnes Arber, our **passion for horticulture** is the guiding star of our daily commitment to clients and stakeholders.

Our Story

Our company was founded in 1996 from the founder's passion for horticulture and botany, which led to the creation of **Sudest Europe:** a family-run business that is now a leader in the sale of both hobbyist and professional substrates for horticulture and floriculture.

In 2016, we **rebranded** as **Arber Horticulture** for two main reasons. Firstly, to express our passion and commitment to horticulture: the name Arber is inspired by Agnes Arber, one of the world's most important botanists. Secondly, the rebranding from Sudest Europe to Arber Horticulture reflects our broader business scope: from an Italian-based company originally named Sudest Europe, reflecting its location in Southeast Europe operating mainly in the local market, to a company now selling products worldwide.

Arber Horticulture is fully dedicated to helping growers achieve the best results in their horticultural production. What sets us apart is the **quality** of our products and our **customer orientation**.

Our Business Lines

Professional Line

Professional substrates
Growbags
Raw Materials

Hobby Line

Hobby substrates
Plant Care Products

Customer Orientation

Together with our partners, we strive to ensure ongoing **technical research** and the **best customer support** for growers. Arber products are created to provide optimal formulas and technologies to meet our customers' horticultural production needs.

The quality

Arber Horticulture produces and markets a full range of substrates for horticulture and biomass. Our peat bogs and processing facilities, mainly located in the **Baltic countries and Germany**, have quality management systems aligned with **ISO 9001** standards and comply with European regulations, as members of the European Peat and Growing Media Association (**EPAGMA**).

Production Zones

	Blonde peat	Black Peat	Cocopeat	Coconut Fiber	Wood Fiber	Substrates	Vermiculite	Mulches
Estonia	✓							
Latvia	✓	✓						
Lithuania	✓	✓			✓	✓		
Germany	✓	✓	✓	✓	✓	✓		✓
Belgium							✓	
Italy						✓		✓

Sustainability

Arber Horticulture is committed to **environmental protection**. One of our goals is the responsible use of natural resources and to promote sustainable peat extraction. We work with our partners to support wetland restoration and compliance with modern quality management standards.

Our professional substrates

Thanks to their excellent chemical, physical, and biological properties, white and/or black sphagnum peat is the main component of our substrates. Other components are added based on specific cultivation goals. Our over 500 formulas have been developed and tested to provide high-quality, reliable products for professional growers. Our flexible production system also allows us to create **custom mixes** on request

7M m³ of substrates sold since 1996

Clients in 20+ countries

News

Mus-RK1

Cover substrate for champignon mushrooms, promoting vigorous mycelium growth with compact fungi and high yields in all harvest cycles.
Discover it on page 17.

Growbags

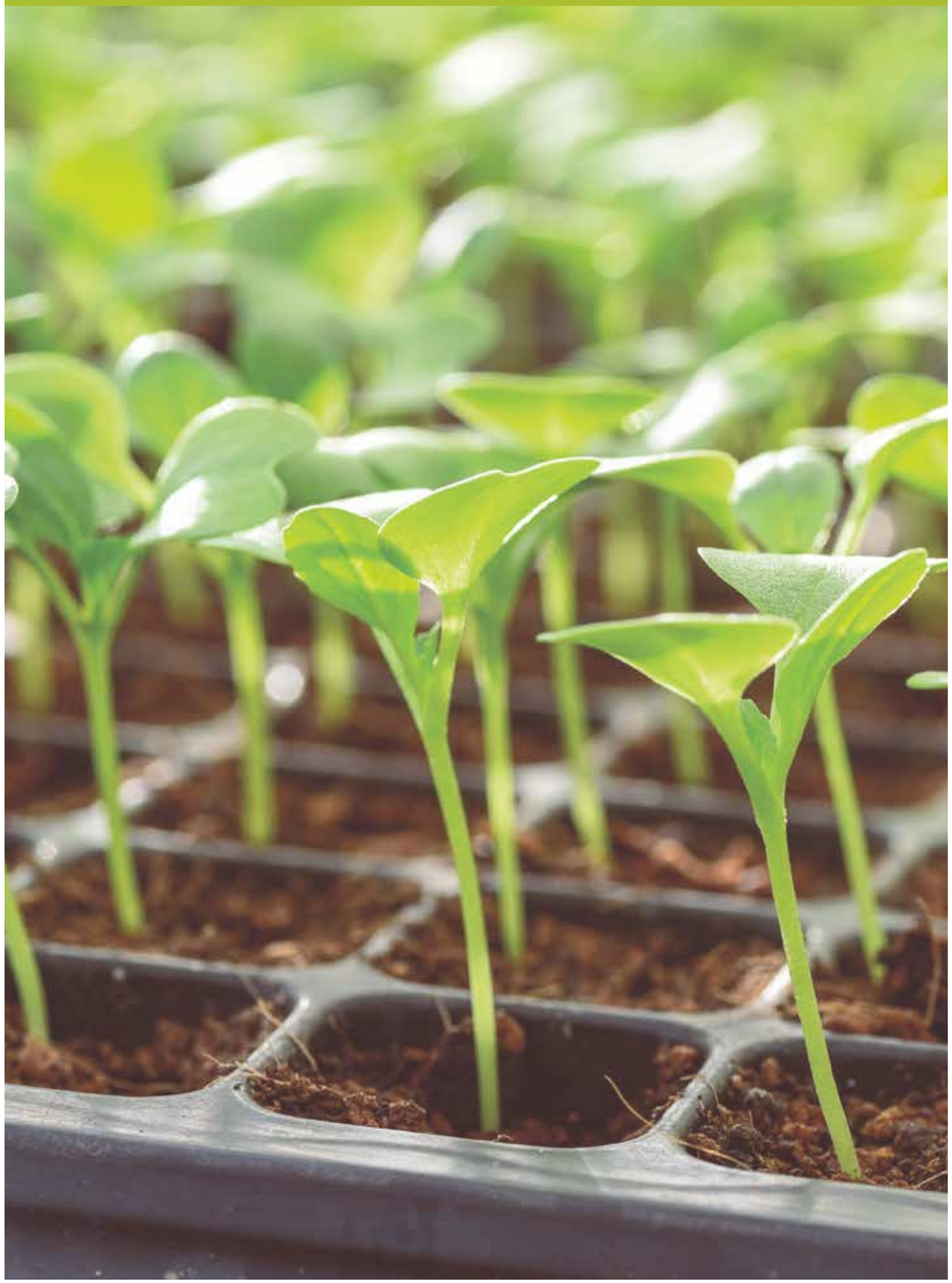
Grow bags with plastic coating and holes for the production of tomatoes and other vegetables.
Discover it on page 24.

AR Containermulch

Innovative blend of wood fiber and thermally sanitized wood chips, designed to function both as mulch in pots and garden beds.
Discover it on page 26.

Index

Bio Substrates



Germany BIO

Bio Seeding

Bio Seeding

70L
Q./plt
42

Big Bale
Q./plt
1

Organic sowing substrate.

Structure: Fine

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	287	Kg/m³
pH:	5.4-6.2	

Fertilization

- Oko Mix 4
- Oko Mix 1
- Radigen

Additives

- Wetting agent

Physical characteristics

- Blonde peat
- Black peat
- Extra-fine wood fiber
- Cocopeat
- High-quality green compost

Germany BIO

Bio Aromas G1

Basil and aromatic plants

70L
Q./plt
42

Big Bale
Q./plt
1

Organic substrate for growing basil and aromatic plants.

Structure: Medium

Chemical characteristics

Conductivity:	0.5-0.6	mS/cm
Dry bulk density:	239	Kg/m³
pH:	5.4-6.2	

Fertilization

- Ecofert

Additives

- Wetting agent

Physical characteristics

- Blonde peat
- Black peat
- Regular wood fiber
- Cocopeat
- High-quality green compost

Pressed Seeding Cubes

SOWINGS AND PRESSED CUBES

Lithuania

Press RK-W

Sowing in containers and pressed cubes

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Substrate with a mix of blonde and Brown peat, suitable for year-round use.

Structure: Fine

Chemical characteristics

Conductivity:	0.4-0.7	mS/cm
Dry bulk density:	270-280	Kg/m³
pH:	5.5-6.5	

Physical characteristics

Blonde peat

Brown peat

Fertilization

PG Mix

Radigen

Additives

Calcareous pH corrector

Wetting agent

SOWINGS AND PRESSED CUBES

Lithuania

DX Summer

Sowing during the summer months

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Recommended substrate for sowing during the summer months.

Structure: Fine

Chemical characteristics

Conductivity:	0.6-1.0	mS/cm
Dry bulk density:	162-198	Kg/m³
pH:	5.5-6.5	

Physical characteristics

Blonde peat

Brown peat

Fertilization

PG Mix

Radigen

Additives

Wetting agent

SOWINGS AND PRESSED CUBES

Lithuania

Unipot Seeding 70/30

Sowing in containers and pressed cubes

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Substrate for sowing with a higher amount of Brown peat.

Structure: Fine

Chemical characteristics

Conductivity:	0.7-1.3	mS/cm
Dry bulk density:	180-190	Kg/m³
pH:	5-6	

Physical characteristics

Blonde peat

Brown peat

Regular wood fiber

Fertilization

PG Mix

Radigen

Additives

Wetting agent

SOWINGS AND PRESSED CUBES

Lithuania

DX Seeding

Sowing in containers

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Balanced substrate with extra-fine structure, ideal for sowing in containers.

Structure: Fine

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	143-175	Kg/m³
pH:	5.5-6.5	

Physical characteristics

Blonde peat

Brown peat

Fertilization

PG Mix

Radigen

Additives

Wetting agent

SOWINGS AND PRESSED CUBES

Lithuania

DX-OX

Sowing in pressed cubes


70L
Q./plt
42


250L
Q./plt
18


Big Bale
Q./plt
1

Balanced substrate with extra-fine structure and added Oxywet, specifically designed for sowing in pressed cubes.

Structure: Fine

Chemical characteristics

Conductivity:	0.4-0.8	mS/cm
Dry bulk density:	260-270	Kg/m³
pH:	5.5-6.5	

Fertilization

PG Mix

Additives

Oxywet

Wetting agent

Physical characteristics

Blonde peat

Brown peat

SOWINGS AND PRESSED CUBES

Lithuania

DX Seeding + Perlite

Sowing in containers


70L
Q./plt
42


250L
Q./plt
18


Big Bale
Q./plt
1

Balanced substrate with extra-fine structure, ideal for sowing in containers. The presence of perlite increases root aeration, ensuring better drying.

Structure: Fine

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	143-175	Kg/m³
pH:	5-6	

Fertilization

PG Mix

Radigen

Additives

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Perlite

SOWINGS AND PRESSED CUBES

Germany

Press Top

Sowings and pressed cubes


70L
Q./plt
42


Big Bale
Q./plt
1

Versatile substrate for sowings and pressed cubes, produced in Germany using only German black peat.

Structure: Extra-fine

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	341	Kg/m³
pH:	5.2-6	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat

Black peat

Extra-fine wood fiber

Cocopeat

SOWINGS AND PRESSED CUBES

Germany

Tray SSF3

Sowings


70L
Q./plt
42


Big Bale
Q./plt
1

Specific substrate for container sowings, produced in Germany.

Structure: Fine

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	281	Kg/m³
pH:	5.2-6	

Fertilization

PG Mix

Radigen

Additives

Wetting agent

Physical characteristics

Blonde peat

Black peat

Extra-fine wood fiber

SOWINGS AND PRESSED CUBES

Lithuania

DX-60 W 0-10 + Perlite

Sowing of cucurbits


70L
Q./plt
42


250L
Q./plt
18


Big Bale
Q./plt
1

Substrate for sowing melons, zucchinis, and various cucurbits.

Structure: Medium-fine

Chemical characteristics

Conductivity:	0.7-1.3	mS/cm
Dry bulk density:	210-220	Kg/m³
pH:	5.5-6.5	

Fertilization

PG Mix

Radigen

Additives

Calcareous pH corrector

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Perlite

SPECIFIC FORMULAS

Lithuania

Taleas S5

Cuttings


70L
Q./plt
42


250L
Q./plt
18


Big Bale
Q./plt
1

Light and highly draining substrate. Specifically enriched with perlite to facilitate both green and woody cuttings.

Structure: Medium-fine

Chemical characteristics

Conductivity:	0.4-0.6	mS/cm
Dry bulk density:	161-196	Kg/m³
pH:	5.2-6	

Fertilization

PG Mix

Additives

Sand

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Perlite

Specific formulas

SPECIFIC FORMULAS

Lithuania

Dipladenia

Dipladenia


70L
Q./plt
42


250L
Q./plt
18


Big Bale
Q./plt
1

Substrate for pot cultivation of dipladenia.

Structure: Medium-coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	118-144	Kg/m³
pH:	5.5-6.5	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Perlite

Lithuania

Blueberry K1 + Perlite

Blueberry

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Ideal substrate for pot cultivation of blueberries.

Structure: Medium-coarse

Pot size: 16 cm

Chemical characteristics

Conductivity:	0.1-0.3	mS/cm
Dry bulk density:	150-160	Kg/m³
pH:	3.5-4.5	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Coconut fiber

Perlite

Lithuania

Acid

Azaleas and acid-loving plants

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Substrate for the cultivation of azaleas and acid-loving plants.

Structure: Medium-coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	2-3	mS/cm
Dry bulk density:	118-144	Kg/m³
pH:	3-4.5	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Lithuania

Cactus LPX1

Succulent plants

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Substrate for the cultivation of succulent and cacti plants in medium to large pots. The high content of inert materials such as pumice and lava rock reduces drying time, preventing root rot.

Structure: Medium-coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	0.4-0.6	mS/cm
Dry bulk density:	162-198	Kg/m³
pH:	5-6	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat

Pumice

Lava rock

Lithuania

Camellia

Camellia

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Substrate for pot cultivation of camellia.

Structure: Medium-coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	0.4-0.6	mS/cm
Dry bulk density:	161-196	Kg/m³
pH:	5.2-5.8	

Fertilization

PG Mix

Radigen

Additives

Micromax

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Regular wood fiber

Perlite

Lithuania

Poncicl DKX

Poinsettias and cyclamens

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Substrate specially formulated for the cultivation of Poinsettias and Cyclamens.

Structure: Medium-coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	141-72	Kg/m³
pH:	5.2-6	

Fertilization

- PG Mix
- Radigen

Additives

- Clay
- Wetting agent

Physical characteristics

- Blonde peat
- Brown peat
- Regular wood fiber
- Perlite

Germany

Poinsettia

Poinsettia

70L	Big Bale
Q./plt 42	Q./plt 1

Substrate designed for Poinsettias, produced in Germany.

Structure: Medium-coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	141-72	Kg/m³
pH:	5.2-6	

Fertilization

- PG Mix
- Radigen

Additives

- Clay
- Wetting agent

Physical characteristics

- Blonde peat
- Black peat
- Regular wood fiber
- Perlite

Lithuania

Basil Pot-14

Aromatic plants

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Professional substrate specially formulated for the cultivation of all aromatic and medicinal plants.

Structure: Medium-coarse

Pot size: 12-14 cm

Chemical characteristics

Conductivity:	1.0-1.4	mS/cm
Dry bulk density:	141-72	Kg/m³
pH:	5-6	

Fertilization

- PG Mix
- Radigen

Additives

- Wetting agent

Physical characteristics

- Blonde peat
- Brown peat
- Regular wood fiber
- Perlite

Lithuania

Chrys KDX

Chrysanthemums

70L	250L	Big Bale
Q./plt 42	Q./plt 18	Q./plt 1

Substrate specially formulated for the cultivation of chrysanthemums.

Structure: Medium-coarse

Pot size: 14-18 cm

Chemical characteristics

Conductivity:	1.0-1.4	mS/cm
Dry bulk density:	160-196	Kg/m³
pH:	5-6	

Fertilization

- PG Mix
- Osmocote

Additives

- Clay
- Wetting agent

Physical characteristics

- Blonde peat
- Brown peat
- Regular wood fiber

SPECIFIC FORMULAS

Lithuania

Acni V18

Actinidia

70L

Q./plt 42

250L

Q./plt 18

Big Bale

Q./plt 1

Professional substrate for medium pot cultivation of actinidia plants.

Structure: Medium-coarse

Pot size: 14-18 cm

Chemical characteristics

Conductivity:	1.1-1.4	mS/cm
Dry bulk density:	160-196	Kg/m³
pH:	5-6	

Physical characteristics

Blonde peat

Brown peat

Perlite

Fertilization

PG Mix

Additives

Wetting agent

SPECIFIC FORMULAS

Lithuania

Mus-RK1

Mushrooms

Big Bag

1,4 mc

Casing substrate for champignon mushrooms promoting vigorous mycelium growth with compact mushrooms and high yields throughout all harvest cycles.

Structure: Coarse

Chemical characteristics

Conductivity:	<0.5	mS/cm
Dry bulk density:	750-850	Kg/m³
pH:	7.3-7.5	

Physical characteristics

Brown peat

Additives

Calcareous pH corrector

Repotting substrates

SPECIFIC FORMULAS

Lithuania

Florigen Plus

Medium-short cycle plants

70L

Q./plt 42

250L

Q./plt 18

Big Bale

Q./plt 1

Substrate suitable for the cultivation of geraniums and medium-short cycle flowering plants in 12-14 cm diameter pots during the summer months.

Structure: Medium

Pot size: 12-14 cm

Chemical characteristics

Conductivity:	1.1-1.4	mS/cm
Dry bulk density:	126-154	Kg/m³
pH:	5.5-6	

Physical characteristics

Blonde peat

Brown peat

Regular wood fiber

Fertilization

PG Mix

Radigen

Additives

Clay

Wetting agent

Minipot

Short-cycle plants

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Recommended substrate for the cultivation of short-cycle annual plants.

Structure: Medium
Pot size: 10-12 cm

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	149-182	Kg/m³
pH:	5.5-6.5	

Fertilization

PG Mix

Additives

Radigen
Clay
Wetting agent

Physical characteristics

Blonde peat
Brown peat
Regular wood fiber

Unipot 7-20

Medium-short cycle plants

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Substrate for repotting medium-short cycle plants during the winter months.

Structure: Medium
Pot size: 12-14 cm

Chemical characteristics

Conductivity:	0.8-1.5	mS/cm
Dry bulk density:	190-200	Kg/m³
pH:	5-6	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat
Brown peat
Regular wood fiber

Unipot Medium

Medium cycle plants

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Ideal substrate for cultivation in medium-large pots and medium cycle crops.

Structure: Medium
Pot size: 14-16 cm

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	118-144	Kg/m³
pH:	5.5-6	

Fertilization

PG Mix

Additives

Radigen
Wetting agent

Physical characteristics

Blonde peat
Brown peat
Regular wood fiber

Unipot Maxi

Medium-long cycle plants

70L Q./plt 42 | 250L Q./plt 18 | Big Bale Q./plt 1

Ideal substrate for cultivation in large pots and medium-long cycle crops.

Structure: Medium-coarse
Pot size: 16 cm

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	118-144	Kg/m³
pH:	5-6	

Fertilization

PG Mix

Additives

Radigen
Wetting agent

Physical characteristics

Blonde peat
Brown peat
Regular wood fiber

REPOTTING SUBSTRATES

Italy

Forest X

Long cycle plants

70L
Q./plt
42

Big Bag
3 mc

Professional substrate with high content of Italyn pumice, ideal for repotting long-cycle outdoor plants.

Structure: Coarse

Pot size: 14 cm

Chemical characteristics

Conductivity:	1.1-1.4	mS/cm
Dry bulk density:	160-196	Kg/m^3
pH:	5-6	

Fertilization

PG Mix

Additives

Wetting agent

Physical characteristics

Blonde peat

Pumice

High-quality green compost

REPOTTING SUBSTRATES

Lithuania

Forest FR Type 3

Medium-long cycle plants

70L
Q./plt
42

250L
Q./plt
18

Big Bale
Q./plt
1

Professional substrate with high content of Swedish pumice, ideal for repotting medium-long cycle outdoor plants.

Structure: Medium-coarse

Pot size: 18 cm

Chemical characteristics

Conductivity:	0.8-1.5	mS/cm
Dry bulk density:	230-240	Kg/m^3
pH:	5.5-6	

Fertilization

PG Mix

Additives

Wetting agent

Pumice

Physical characteristics

Blonde peat

Regular wood fiber

Landscaping substrates

LANDSCAPING SUBSTRATES

Italy

Lawn-Sport

Sports lawns

70L
Q./plt
42

Big Bag
3 mc

Professional substrate for sports lawns with Vulcamix.

Structure: Fine

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	143-175	Kg/m^3
pH:	5-6	

Fertilization

PG Mix

Additives

Radigen

Wetting agent

Physical characteristics

Blonde peat

Vulcamix

High-quality green compost

LANDSCAPING SUBSTRATES

Lithuania

Lawn-Garden

Turf lawns

70L

Q./plt 42

250L

Q./plt 18

Big Bale

Q./plt 1

Substrate for soil preparation and turfgrass seeding.

Structure: Medium

Chemical characteristics

Conductivity:	1-1.4	mS/cm
Dry bulk density:	155-189	Kg/m³
pH:	5-6	

Fertilization

PG Mix

Additives

Sand

Wetting agent

Physical characteristics

Blonde peat

Brown peat

LANDSCAPING SUBSTRATES

Italy

Top Soil 2

Roof gardens

70L

Q./plt 42

Big Bag

3 mc

Substrate specifically designed for roof gardens. It has high permeability to prevent waterlogging, a structure that does not compact over time, and ensures a high oxygen supply.

Structure: Medium

Chemical characteristics

Conductivity:	0.6-1	mS/cm
Dry bulk density:	118-144	Kg/m³
pH:	6.5-7.5	

Fertilization

PG Mix

Additives

Sand

Wetting agent

Physical characteristics

Blonde peat

Pumice

Lava rock

Growbags

Vegetable Growbags

Tomatoes and vegetables

Growbags
100x18x16 cm
100x18x14 cm
100x18x12 cm
100x15x12 cm

Grow bags with plastic coating and holes for tomato and other vegetable production.
UV protection guaranteed for 3 years.

Structure: Coarse

Chemical characteristics

Conductivity:	0.7-1.45	mS/cm
Dry bulk density:	210-220	Kg/m³
pH:	5.5-6.5	

Fertilization

PG Mix

Additives

Calcareous pH corrector

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Peat fiber

Coconut fiber

Strawberry Growbags

Strawberries

Growbags
100x18x16 cm
100x18x14 cm
100x18x12 cm
100x15x12 cm

Grow bags with plastic coating and holes for strawberry production. UV-resistant for at least 3 years.

Structure: Coarse

Chemical characteristics

Conductivity:	1.0-1.8	mS/cm
Dry bulk density:	210-220	Kg/m³
pH:	5.5-6.5	

Fertilization

PG Mix

Radigen

Additives

Clay

Wetting agent

Physical characteristics

Blonde peat

Brown peat

Peat fiber

Coconut fiber

Mulches

AR Containermulch

70L
Q./plt
42

Big Bale
Q./plt
1

AR Containermulch is an innovative blend of wood fiber and thermally sanitized wood chips, designed to function both as mulch in pots and garden beds. Thanks to its light and breathable structure, it creates a **protective layer that drastically reduces water evaporation**—a crucial advantage during the hotter months and in pots—and **effectively hinders the growth of weeds**, keeping the surrounding area clean and tidy.

Beyond its main functions, AR Containermulch acts as **thermal insulation**, protecting roots from temperature spikes and promoting denser, more vigorous root development. Over time, it **naturally decomposes**, returns nutrients to the soil, and helps reduce erosion on sloped land. Plants mulched with AR Containermulch also offer an attractive visual impact at points of sale and support more sustainable management by reducing the need for chemical herbicides.

For optimal application, it is recommended to spread a uniform layer of 2–3 cm on the pot or cultivation soil.

Germany

Vermiculite

100L

Q./plt
33

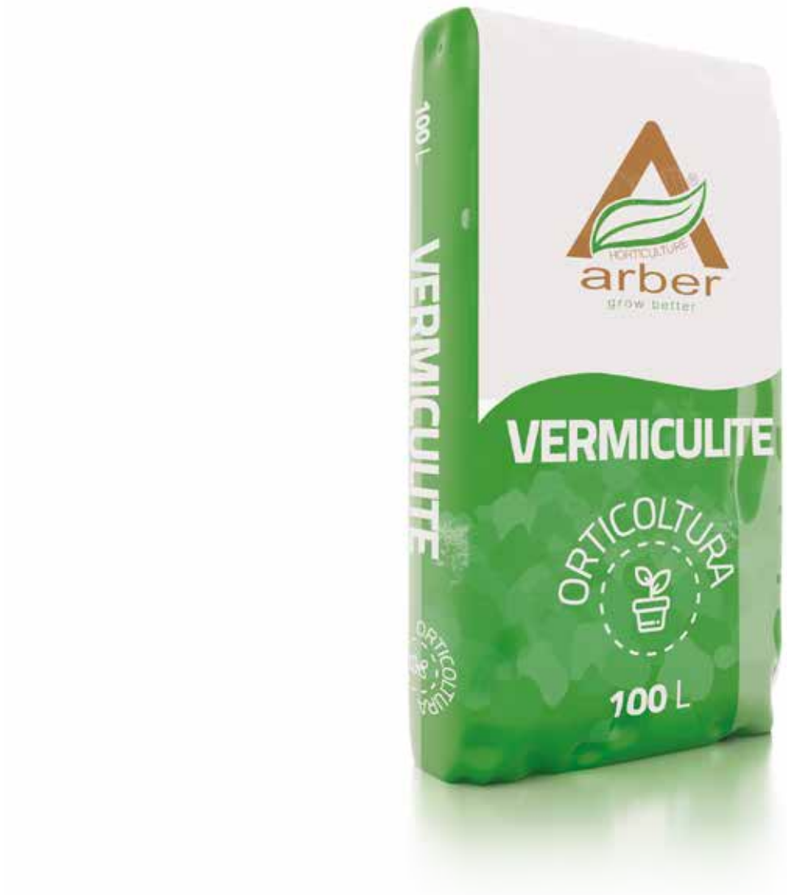
Big Bale

Q./plt
1

Arber Vermiculite is a naturally occurring mineral that is thermally expanded, ideal for improving water retention, aeration, and root protection in professional cultivation. **Thanks to its layered structure, it holds water and nutrients, releasing them gradually to promote balanced plant growth**.

Vermiculite is lightweight, stable, and chemically inert, **free from pathogens and toxic substances**, making it an excellent choice for horticulture, seed germination, and cutting rooting.
Advantages of Arber Vermiculite:
- Dust-free
- High water retention with gradual moisture release
- Improves aeration and root protection
- Lightweight, stable, and durable material
- 100% natural and pathogen-free
- Ideal for professional substrates and plant propagation
- Consistent production and regular deliveries

Available granulometries: 0-2 mm and 0-4 mm



Raw materials

	Granulometry	Bag 10L	Bag 45L	Bag 50L	Bag 100L	Big Bale
Pumice	3 - 8 mm	-	-	X	-	X
volcanic lava rock	3 - 5 mm	-	-	-	-	X
	5 - 10 mm	-	-	-	-	X
Perlite	2 - 6 mm	-	-	-	X	-
Expanded clay	-	X	X	-	-	-

	Granulometry	pH standard	Variable pH	Bag 250L	Big Bale
Blonde peat from blocks	0 - 40 mm	X	X	X	X
	0 - 10 mm	X	X	-	X
	10 - 40 mm	X	X	-	X
	20 - 40 mm	X	X	-	X
Black peat	0 - 10 mm	X	X	X	X
	0 - 20 mm	X	X	X	X

Additives

Oxywet Material made from high-quality Swedish clay, free of contaminants such as heavy metals, sodium, chloride, and dioxins. It is used as a **natural wetting agent** in substrates to keep peat moist and distribute water throughout the substrate. This increases oxygen levels in the lower parts of the container, facilitating the growth of horticultural and floricultural crops.

Micromax It is a **slow-release fertilizer** with a nutrient duration of up to 18 months. It is designed to fully optimize the effectiveness of micronutrients and macronutrients and is recommended for the cultivation of all types of plants.

Potmix Additive easy to mix with peat and other substrate components. It helps improve **retention and the gradual release of fertilizers and water**. Additionally, it **normalizes pH and absorbs harmful** substances such as toxins, pathogens, and/or heavy metals.

Glossary

Peat Peat is a deposit of waterlogged plant remains and forms in soils saturated with water in the absence of oxygen and hydrogen. It is especially combined with garden and vegetable soil because, being acidic and fibrous, it makes the soil light and soft. Peat is classified into blonde, brown, and black types. Blonde peat is extracted from the upper layers of the peat bog and is minimally decomposed, while **brown and black peat** are taken from deeper layers and have a medium to high degree of decomposition. Blonde peat is characterized by greater fibrosity and porosity, whereas brown and black peat have higher density and water retention capacity. **Products containing 90–100% high-quality peat currently represent the most effective solution for the most demanding professional and hobbyist growers.**

Coconut fiber Material used in hydroponic cultivation obtained by removing fine dust from coconut husk. It promotes **root development** and, although it retains air even when fully saturated, it **dries** more slowly than many other substrates used in soilless cultivation.

Cocopeat Substance extracted from the pith inside the coconut shell. Its **antifungal properties** make it a good substrate for seed sowing. Coconut peat is also used as a soil amendment, soaking mixture, and in hydroponic production.

Perlite Inorganic mineral of volcanic origin, with a color varying from gray to pink, and a porous, rounded shape. Expanded perlite is obtained through a thermal expansion process during which granules form inside, providing high lightness and good physical properties for use in agriculture, in soils, potting mixes, and as is. Expanded perlite is therefore used both as a soil amendment and as a **corrective in cultivation substrates**, helping to recreate an ideal habitat for the life cycle of every plant. Thanks to its porous structure, it allows the production of well-draining soils and mixes that enable continuous gas exchange with the external environment. Finally, expanded perlite **protects plant root systems** from temperature fluctuations by maintaining a constant temperature, thereby promoting normal crop development.

Vermiculite Material capable of **improving substrate aeration**. It does not deteriorate or rot and can protect seeds and young plants from fungal attacks.

Volcanic lava rock Eco-friendly volcanic granules with **excellent mulching** and weed control properties, suitable for use in gardens, parks, and flower beds. Its uniform granulometry allows for easy application, reducing installation time while delivering particularly appealing aesthetic results. The micro-porosity of the granules provides good **thermal insulation**, while its capacity to store water reserves helps **reduce soil drying**. The intense color also serves a decorative purpose. Being a hygroscopic product, it may experience variations in weight.

Pumice Pumice is the result of the expansion of effusive magmatic mineral, producing a highly porous and notably lightweight material. It has great **water retention capacity and releases liquids slowly**. This is a completely natural and ecological product suitable for floricultural applications, where it is already widely used.

Vulcamix Vulcamix is a ready-to-use product, easy to apply, free from harmful substances and weed seeds, which effectively replaces silica sands in the **treatment and replenishment of turfgrass** (top dressing). It helps create lawns suitable for intensive use (up to 500 hours/year) by promoting the **development of root systems**. It is also ideal for vertidrain operations as a corrector of the soil's chemical and physical characteristics.

Clay It appears in the form of small pebbles made of baked clay. Expanded clay is a porous medium that is extremely favorable for the **development of the plant's root system**.

Calcareous pH corrector Material used to **increase the pH** of a substrate.

Notes

HORTICULTURE
arber
grow better

Tel: +39 0471 1727899
via Marie Curie 17, 39100, Bolzano – Italy
www.arber-horticulture.com - email: info@arber-horticulture.com