

MÝKE™

Everything
grows better!
naturally.

Vegetable Garden ■

Annual and Perennial ■

Bulb ■

Tree and Shrub ■

Indoor Plant ■

Potting Mix ■

Seed Starter Kit ■

Lawn ■



2003 PRODUCT GUIDE

For the past 17 years, Premier Tech Biotechnologies has been working on important research and development projects resulting in leading-edge technology in the production of mycorrhizal fungi. Supported by a team of specialists, Premier Tech Biotechnologies has developed, on an industrial scale, ecological products containing mycorrhizal fungi and other beneficial organisms that improve plant growth without harming the environment or humans.

Premier Tech Biotechnologies markets its products under the trademark **MYKE™**.

This all-natural product line is formulated for the different steps of indoor and outdoor planting. MYKE™ products are easy to use and safe for the environment, gardeners, their families and even their pets. Several MYKE™ products contain a biological growth supplement called mycorrhizae. All these products have been approved by the Canadian Food inspection agency and the USDA.

What are mycorrhizae?



Mycorrhizal fungi have occurred naturally in the soil for 400 million years. They form a close symbiotic relationship with plant roots. They are called mycorrhizae (from the Greek “mukés”, meaning fungus, and “rhiza,” meaning roots). However, in most soils that have been disturbed by residential construction, or intensive cropping practices with applications of fertilizers containing pesticides and other chemical products, the mycorrhizae content has considerably diminished, and has become insufficient to significantly enhance plant growth.

Uncolonized root



Colonized root by mycorrhizal fungi



When mycorrhizal fungi colonize the plant's root system, they create a network that increases the plant's capacity to absorb more water and nutrients such as phosphorus, copper and zinc. This process in turn enhances growth and favors rapid development of roots and plants.



Without mycorrhizae

With mycorrhizae

Mycorrhizae and fertilizers; are both practices compatible?

All natural or slow-release fertilizers are compatible with mycorrhizae when the manufacturer's recommendations are followed. However, mycorrhizal colonization will be reduced if there is more than 10 % of phosphorus in a chemical fertilizer formula (water-soluble fertilizer). With this type of fertilizer, mycorrhizal efficiency will be considerably affected. When using these fertilizers containing more than 10 % of phosphorus, we recommend applying half the manufacturer's recommended dosage. When adding mycorrhizae, plants become more resistant to drought and their capacity to absorb more water and nutrients increases. This results in better growth and yields more productive crops with less chemical fertilizer use.

TYPE OF FERTILIZER	EXAMPLE OF FORMULA	APPLICATION WITH MYCORRHIZAE
Organic or natural fertilizer	5-10-15	No restriction
Slow-release chemical fertilizer	14-14-14	No restriction
Water-soluble chemical fertilizer	20-20-20	Apply half of the manufacturer's recommended rate

Fertilization



MYKE™ VEGETABLE GARDEN



- Contains mycorrhizae on a natural fine granulated carrier (compost and peat) providing a good seed germination
- Ensures an abundant and bountiful harvest of superior quality
- Available in 1.5 L (1.4 qt) and 4 L (3.6 qt) formats
- The 1.5 L (1.4 qt) can treat up to 95 plants or 10 m² (108 ft²) and the 4 L (3.6 qt) can treat up to 265 plants or 30 m² (323 ft²)
- For fruits, vegetables and herbs, when transplanting or sowing indoors or outdoors



Exceptions

Broccoli, cabbage, beet, spinach and radishes as well as blueberries and cranberries cannot be colonized by the fungus in MYKE™ VEGETABLE GARDEN.

CODE	FORMAT	WEIGHT	UPC
GAN-15	1.5 l	425 g (15 oz)	6 21361 00001 2
GAN-04	4 l	1 kg (2.2 lb)	6 21361 00002 9

PENDING ORGANIC CERTIFICATION



INSTRUCTIONS FOR STORAGE

MIN. 4 °C (39 °F)

MAX. 20 °C (68 °F)



MYKE™ ANNUAL AND PERENNIAL

- Contains mycorrhizae on a natural coarse granulated carrier (perlite, peat and compost) that gives additional porosity to the soil
- Ensures long-lasting and luxurious flowering
- Available in 1.5 L (1.4 qt) and 4 L (3.6 qt) formats
- The 1.5 L (1.4 qt) can treat up to 95 plants and the 4 L (3.6 qt) can treat up to 265 plants
- For annuals and perennials in pots, flower boxes and beds



Exceptions

Orchids, rhododendrons, carnations, kochias, alyssums, azaleas and lupins cannot be colonized by the fungus in MYKE™ ANNUAL AND PERENNIAL.

CODE	FORMAT	WEIGHT	UPC
FLR-15	1.5 l	425 g (15 oz)	6 21361 00003 6
FLR-04	4 l	1 kg (2.2 lb)	6 21361 00004 3

“ I recommend adding **MYKE™** to the soil at the time of planting.

This all-natural product encourages quick and healthy root development when used with a garden fertilizer. ”



INSTRUCTIONS FOR STORAGE

MIN. 4 °C (39 °F)

MAX. 20 °C (68 °F)

! Mark Cullen
President of Weall & Cullen Garden Centres,
host of *Mark Cullen Gardening*,
and *The Garden Show* on CFBR radio,
as well as co-host of *Canada AM*

MYKE™ BULB



- Contains mycorrhizae on a natural fine granulated carrier (perlite and vermiculite) allowing water retention
- Increases the rooting and absorption area for a long-lasting flowering
- Available in a 1.5 L (1.4 qt) format
- Can treat up to 95 bulbs
- For fall and spring bulbs, in the soil or in containers

CODE	FORMAT	WEIGHT	UPC
BUB-15	1.5 l	425 g (15 oz)	6 21361 00020 3

INSTRUCTIONS FOR STORAGE
 MIN. 4 °C (39 °F) MAX. 20 °C (68 °F)



MYKE™ TREE AND SHRUB



- Contains mycorrhizae on a natural coarse granulated carrier (vermiculite, perlite, peat and compost) efficient on both hardwoods and evergreens
- Increases rapid development of the root system ensuring better recovery and survival
- Available in 1.5 L (1.4 qt), 4 L (3.6 qt) and 12 L (10.9 qt) formats
- The 1.5 L (1.4 qt) can treat 20 plants or a 10 m (33 ft) hedge, the 4 L (3.6 qt) can treat 65 plants or a 30 m (98 ft) hedge and the 12 L (10.9 qt) can treat 195 plants or a 90 m (295 ft) hedge
- For trees, shrubs and hedges

Exceptions

Blueberries and rhododendrons cannot be colonized by the fungus in MYKE™ TREE AND SHRUB.

CODE	FORMAT	WEIGHT	UPC
TRE-15	1.5 l	425 g (15 oz)	6 21361 00005 0
TRE-04	4 l	1 kg (2.2 lb)	6 21361 00006 7
Evh-12	12 l	2 kg (4.4 lb)	6 21361 00030 2

INSTRUCTIONS FOR STORAGE
 MIN. 4 °C (39 °F) MAX. 20 °C (68 °F)



MYKE™ INDOOR PLANT



- Contains mycorrhizae on a natural coarse granulated carrier (perlite and peat)
- Prolongs the life of plants while ensuring greener foliage
- Better moisture management
- Available in a 500 ml (0.5 qt) format
- Can treat up to 10 plants
- For tropical indoor plants or flowering plants



NEW!

Exceptions

Orchids, azaleas and crassulas cannot be colonized by the fungus in MYKE™ INDOOR PLANT.

CODE	FORMAT	WEIGHT	UPC
INP-50	500 ml	140 g (5 oz)	6 21361 00026 5



INSTRUCTIONS FOR STORAGE

MIN. 4 °C (39 °F)

MAX. 20 °C (68 °F)



NEW!

MYKE™ POTTING MIX

[NOT AVAILABLE
IN THE U.S.]

This organic potting mix is a complete growing medium that allows year-long transplantation of plants in only a few steps. Enriched with active compost, this substrate will give new life to indoor plants and may also be used for outdoor applications. With its ingredients of superior quality, it provides a lengthened use of nutrients and good water absorption.

- Contains Sphagnum peat moss, compost, perlite and a balanced pH
- Nourishes the plant for a period of up to 6 weeks
- Available in a 15 L (14 qt) format
- Especially developed to be used with all MYKE™ growth stimulants
- For all types of plants, especially for transplantation of indoor plants and hanging baskets.

CODE	FORMAT	WEIGHT	UPC
SOL-15	15 l	4.7 kg (10.4 lb)	6 21361 00058 6

INSTRUCTIONS FOR STORAGE

Close the bag tightly after use.



PENDING
ORGANIC
CERTIFICATION

The natural way
to start seedlings!

The MYKE™ SEED STARTER
KIT is ready to use; you just
need to choose your seeds.

NEW!

MYKE™ SEED STARTER KIT [NOT AVAILABLE IN THE U.S.]

The MYKE™ SEED STARTER KIT is the key for every gardener to start their plants right. This unique product contains a growth stimulant that will increase the roots' efficiency, thus producing healthier, more productive and organically grown plants. The organic mix, also included in the kit, provides appropriate nutrition for the seedlings during the first weeks of growth. Therefore, there's no need to fertilize.

Includes:

- 28 x 53 cm (11 x 21 in) reusable leakproof tray
- 36 biodegradable peat pots / 5 cm (2 in)
- 4 l of organic seeding mix
- 400 ml of mycorrhizae resulting in better recovery, a more rapid development of the root system and increasing the survival rate of the plants after transplantation
- For all types of seedlings: annuals, perennials, herbs and vegetables

Exceptions

Broccoli, cabbage, spinach, carnations, kochias, alyssums and lupins cannot be colonized by the fungus in MYKE™ SEED STARTER KIT.

CODE	FORMAT	WEIGHT	UPC
STR-1121	28 x 53 cm (11 x 21 po)	1 kg (2.2 lb)	6 21361 00059 3



INSTRUCTIONS FOR STORAGE

MIN. 4 °C (39°F)

MAX. 20 °C (68 °F)

PENDING
ORGANIC
CERTIFICATION

“ You will notice a remarkable difference
within the first year,
more fruits,
more flowers!

It's quite **incredible!**
when you think about it!”

Larry Hodgson
Weekly guest-speaker at *Fleurs, Plantes, Jardins*
and *Salut Bonjour* and columnist at *Le Soleil*



3 safe steps... for a perfect lawn!

100% natural!

NEW!



The MYKE™ LAWN fertilizers are 100% natural, organic and pesticide-free products. These fertilizers are certified by OMRI (Organic Materials Review Institute), a worldwide renown certification organization. These products are safe for the environment, home gardeners and even domestic animals. This granular formulation is good for 300 m² (3 200 ft²) of lawn and is easy to apply with a regular spreader. This lawn program consists of 3 applications per year, for spring, before summer drought periods and fall. Can be used for existing lawns, sod applications and overseeding.



1 MYKE™ LAWN ORGANIC FERTILIZER 10-3-3 SPRING

- Contains a natural source of nitrogen for a good growth start
- Formulated with micro-nutrients for a greener effect

CODE	FORMAT	WEIGHT	NB/PALLET	UPC
LAN1-20	20 l (18.2 qt)	10 kg (22 lb)	50	6 21361 00079 1
LAN1-50	20 l (18.2 qt)	500 kg (1100 lb)	–	6 21361 00082 1



2 MYKE™ LAWN ORGANIC FERTILIZER 9-4-2 SUMMER

- Contains a balanced source of phosphorus which will enhance deep rooting
- Gives extra protection throughout summer drought periods

CODE	FORMAT	WEIGHT	NB/PALLET	UPC
LAN2-20	20 l (18.2 qt)	10 kg (22 lb)	50	6 21361 00078 4
LAN2-50	20 l (18.2 qt)	500 kg (1100 lb)	–	6 21361 00080 7



3 MYKE™ LAWN ORGANIC FERTILIZER 3-3-8 FALL

- Contains a natural source of potassium for enhanced hardiness before difficult winter conditions
- Better recovery and a quicker start up in the spring

CODE	FORMAT	WEIGHT	NB/PALLET	UPC
LAN3-20	20 l (18.2 qt)	10 kg (22 lb)	50	6 21361 00081 4
LAN3-50	20 l (18.2 qt)	500 kg (1100 lb)	–	6 21361 00083 8

A 100% NATURAL fertilizer line

MYKE™ fertilizers are 100% natural and organic products certified by OMRI (Organic Materials Review Institute), a worldwide renowned certification organization. Each product has been formulated with high quality ingredients and specially blended to meet the plants' specific nutrient needs. They are long-lasting fertilizers that slowly release nutrients required for enhanced plant growth throughout the growing season. All these fertilizers are compatible with "MYCORISE®" growth supplements.

OMRI™

NEW!

10 m²



MYKE™ VEGETABLE FOOD 8-4-5

- Contains a natural source of nitrogen for enhancing initial plant growth
- Developed for all types of vegetables, fruits and herbs

CODE	FORMAT	NB/CASE	NB/PALLET	UPC
VEGF-2	2 kg (4.4 lb)	10	240	6 21361 00070 8
VEGF-10	2 kg (4.4 lb)	–	24	6 21361 00071 5

50 plants



MYKE™ TOMATO FOOD 5-6-8

- Contains all the nutrients needed for enhanced rooting, better growth and abundant production of flavourful vegetables
- Contains an important source of calcium to prevent its deficiency

CODE	FORMAT	NB/CASE	NB/PALLET	UPC
TOMF-2	2 kg (4.4 lb)	10	240	6 21361 00068 5
TOMF-10	2 kg (4.4 lb)	–	24	6 21361 00069 2

12 m²
or 50 outdoor planters



MYKE™ FLOWER FOOD 6-8-4

- Contains a natural source of phosphorus for abundant flowering of your annuals and perennials all summer
- Formulated with seaweed, a natural source of micronutrients

CODE	FORMAT	NB/CASE	NB/PALLET	UPC
FLRF-2	2 kg (4.4 lb)	10	240	6 21361 00076 0
FLRF-10	2 kg (4.4 lb)	–	24	6 21361 00077 7

20 rose bushes



MYKE™ ROSE FOOD 5-3-8

- Contains a natural source of potassium for enhancing rose bush hardiness and for vigorous growth
- Developed for shrubs, miniature and hybrid tea roses

CODE	FORMAT	NB/CASE	NB/PALLET	UPC
ROSF-2	2 kg (4.4 lb)	10	240	6 21361 00074 6
ROSF-10	2 kg (4.4 lb)	–	24	6 21361 00075 3

25 trees
or 25 m of hedge



MYKE™ EVERGREEN FOOD 7-3-5

- Contains a natural source of nitrogen for initial growth in the spring
- Developed for the planting of trees, hedges, also for annual tree care

CODE	FORMAT	NB/CASE	NB/PALLET	UPC
EVEF-2	2 kg (4.4 lb)	10	240	6 21361 00072 2
EVEF-10	2 kg (4.4 lb)	–	24	6 21361 00073 9



PRODUCT REFERENCE GUIDE

CASES



[CUT CASE INCLUDED]

CODE	DESCRIPTION	FORMAT	NUMBER OF UNITS	UPC
GAN-24	Vegetable Garden	1.5 L (1.4 qt)	24	6 21361 00034 0
GAN-12	Vegetable Garden	4 L (3.6 qt)	12	6 21361 00035 7
FLR-24	Annual and Perennial	1.5 L (1.4 qt)	24	6 21361 00036 4
FLR-12	Annual and Perennial	4 L (3.6 qt)	12	6 21361 00037 1
TRE-24	Tree and Shrub	1.5 L (1.4 qt)	24	6 21361 00038 8
TRE-12	Tree and Shrub	4 L (3.6 qt)	12	6 21361 00039 5
BUB-24	Bulb	1.5 L (1.4 qt)	24	6 21361 00040 1
STR-12	Seed Starter Kit	28 x 53 cm (11 x 21 in)	12	6 21361 00061 6

MINI-PALLETS



CODE	DESCRIPTION	FORMAT	NUMBER OF UNITS	UPC
INP-24	Indoor Plant	500 ml (0.5 qt)	24	6 21361 00027 2
GAN-108	Vegetable Garden	1.5 L (1.4 qt)	108	6 21361 00007 4
FLR-108	Annual and Perennial	1.5 L (1.4 qt)	108	6 21361 00009 8
TRE-108	Tree and Shrub	1.5 L (1.4 qt)	108	6 21361 00016 6
BUB-108	Bulb	1.5 L (1.4 qt)	108	6 21361 00022 7
GAN-54	Vegetable Garden	4 L (3.6 qt)	54	6 21361 00008 1
FLR-54	Annual and Perennial	4 L (3.6 qt)	54	6 21361 00010 4
TRE-54	Tree and Shrub	4 L (3.6 qt)	54	6 21361 00017 3
GAFL-108	Garden – Annual	1.5 L (1.4 qt)	108	6 21361 00013 5
GATR-108	Garden – Tree	1.5 L (1.4 qt)	108	6 21361 00015 9
GABU-108	Garden – Bulb	1.5 L (1.4 qt)	108	6 21361 00024 1
FLTR-108	Annual – Tree	1.5 L (1.4 qt)	108	6 21361 00018 0
FLBU-108	Annual – Bulb	1.5 L (1.4 qt)	108	6 21361 00025 8
TRBU-108	Tree – Bulb	1.5 L (1.4 qt)	108	6 21361 00042 5
GAFLTR-54	Garden – Annual – Tree	4 L (3.6 qt)	54	6 21361 00043 2

- ATTRACTIVE
- REUSABLE
- MOBILE



FREE!

FREE DISPLAY WITH A CASE PURCHASE OF MYKE™ INDOOR PLANT PRODUCT.



HALF-PALLETS



CODE	DESCRIPTION	FORMAT	NUMBER OF UNITS	UPC
EVH-24	Hedge	12 L (10.9 qt)	24	6 21361 00045 6
LAN-30	Lawn	25 L (22.7 qt)	30	6 21361 00044 9
STR-72	Seed Starter Kit	28 X 53 cm (11 x 21 in)	72	6 21361 00062 3

PALLETS



CODE	DESCRIPTION	FORMAT	NUMBER OF UNITS	UPC
SOL-120	Potting Mix	15 L (14 qt)	120	6 21361 00063 0
EVH-64	Hedge	12 L (10.9 qt)	64	6 21361 00031 9
LAN-50	Lawn	25 L (22.7 qt)	50	6 21361 00029 6
STR-144	Seed Starter Kit	28 X 53 cm (11 X 21 in)	144	6 21361 00067 8



YOUR QUESTIONS... OUR ANSWERS!

What is the difference between each of the products containing the mycorrhizal growth stimulant?

All the products containing mycorrhizae have been specifically formulated for different planting needs. The main differences between them are in the granulation, the compost selected for the different plant requirements and the type of mycorrhizae. For instance, with MYKE™ VEGETABLE GARDEN, the granulation is quite fine and specially adapted for seeding. The compost added to the product provides the plants with a source of potassium and phosphorus, two essential elements for fruiting.

Can we still apply our usual fertilizers?

As mentioned in the fertilization section in this guide, all the fertilizers containing less than 10% of phosphorus can be applied following the manufacturer's recommended rate. However, when using water-soluble chemical fertilizers with more than 10% of phosphorus, we suggest applying half the recommended rate.



Can we use mycorrhizal growth stimulant on established plants?

Ideally, all the products containing a mycorrhizal growth stimulant must be used when seeding, planting or replanting. However, for plants that are already established, it is possible to add mycorrhizae by digging a few holes around the plant. Be sure the product is placed deep enough in the soil, in order to be in close contact with the roots. Watering the planted area after introducing the mycorrhizae will allow it to spread all the way down to the roots.

How long do products containing mycorrhizae last?

When protected from frost and intense heat (ideal storage conditions are between 4 and 20 °C / 39 and 68 °F) the product is good for two years. When the product is left in the shed or the garage during winter or in intense heat periods, mycorrhizae will lose its efficiency.

How long does it take before mycorrhizae start working?

The mycorrhizae are in symbiosis with the plant roots after 4 to 6 weeks. Other applications during the season are not required. However, for annuals or vegetable garden plants, mycorrhizae must be applied every year when planting.



Advertising Material

In order to maximize your sales and to better inform your clients, Premier Tech Biotechnologies offers free promotional tools to help you.



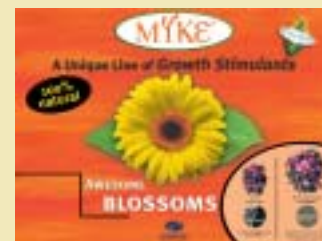
Banner



Training video



Customer pamphlet



Advertising at point of purchase

Advertising Campaign

Again this year, there will be great visibility of the MYKE™ products in all the medias: television, radio, magazines, newspapers. For more details on our marketing plan, contact your representative or call us at 1 800 606-6926.

Technical Support

Premier Tech Biotechnologies offers a technical support service; either for in-store training, a conference or a visit to a garden centre. Our team is there to answer all your needs. Don't hesitate to contact us.



Customer Service

Our customer service agents are specially trained to answer your questions or comments concerning product recommendations, growth benefits and how products work. They can also give you advice on natural gardening. Our customer service team is available Monday thru Friday, from 8:30 a.m. to 6:00 p.m. eastern time. It is also possible to leave us a detailed message on our voice mail, or by email at myke@premiertech.com; we will reply to your message on the following day without delay.



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Order by Fax

You now have access to a direct fax line for your orders at (418) 867-3999.

WWW.USEMYKE.COM

An Internet site, completely redone and adapted to your special needs, gives gardening advice, contests, testimonials, information on our products, and even the possibility to join the MYKE™ Gardening Club.

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The information in this document was up-to-date at the time of printing. Due to its policy of ongoing improvement, Premier Tech Biotechnologies reserves the right to halt manufacturing or change any model or equipment, or revise technical data and prices, without further warning or liability.

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