

Cultivar Varieties

DISCOVERY SELECTION FOR THE SCHOOL ENVIRONMENT
SCHOOL YEAR 2021-2022



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In this guide, you will find three categories of plants. You are free to use them the way that best represents the purpose you wish to allocate to your garden and that corresponds to your level of experience with the crops. Furthermore, if it is your first experience with hydroponics, know that some varieties are easier to cultivate than others. Their germination and maturation time can be different from one variety to another:

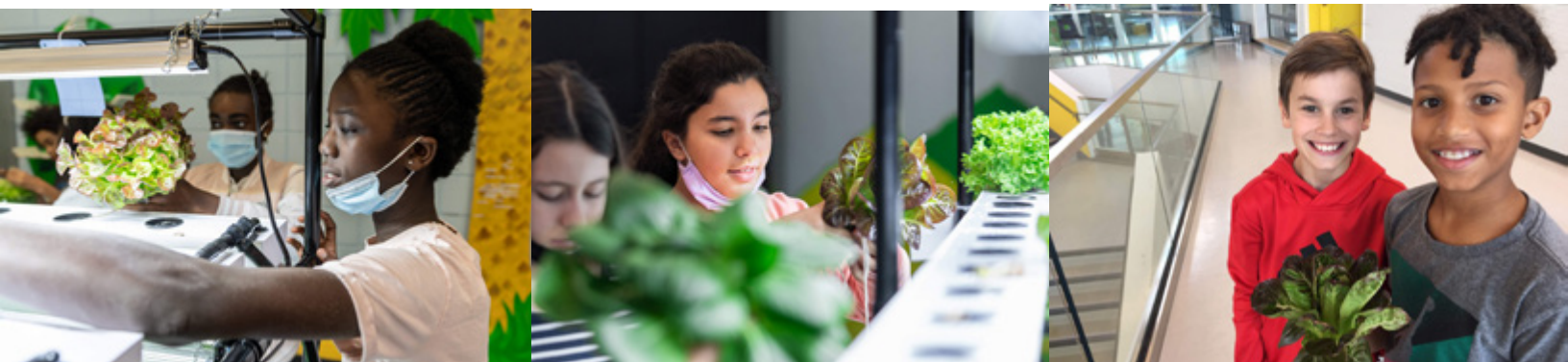


We propose you start with plants from the leafy greens category, with herbs for the second crop life cycle, and with fruit plants and flowering plants for the third cycle. This progression will allow you to learn step by step at a balanced and constant pace with your students. Also know that it is recommended to grow vegetables from a same category at the same time, as plants' needs vary from one category to another, notably regarding the optimal pH level promoting their growth.

It's now time for action and experimentation! Have fun!

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We deeply believe that a year-round green and bright hydroponic garden creates a unique learning context and a nature-oriented environment for students. It is also a generator of well-being and healthy eating for all!



LEAFY GREENS



5-7
DAYS



+60
DAYS



SWISS CHARD

This variety stands out by its colorful petioles. Swiss chard leaves can become pretty big. They should be harvested when they are a little bit bigger than a hand. Approximate space between plants: 20 cm
Optimal minimal height: 50 cm

ROMAINE LETTUCE

Slow to bolt and exceptionally hardy. Romaine lettuce grows vertically. It is advisable to raise the horticulture lights higher to prevent the leaves from burning. Approximate space between plants: 30 cm
Optimal minimal height: N/A



3-10
DAYS



28-45
DAYS



7-20
DAYS



50-70
DAYS



MALABAR SPINACH

This pretty pink flowered climbing plant can be eaten like spinach. The leaves should be harvested when they are still yellow, as they contain a lot of vitamins. Trim the plants so they do not invade their neighbors! Approximate space between plants: 25 cm
Optimal minimal height: 200 cm

PAK CHOI

Vegetable with a dense and solid head, but no less tender and full of vitamins. Soft refined flavor. Remove the roots for the head not to rot. The pak choi's constitution is fragile and full of water. Approximate space between plants: 25 cm
Optimal minimal height: 15 cm



3-7
DAYS



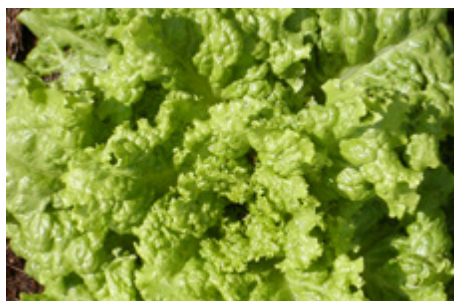
45
DAYS



3-10
DAYS



28-45
DAYS



BLACK SEEDED SIMPSON LETTUCE

Appreciated for the soft flavor of its tender, crunchy and juicy leaves. The first harvest, which consists of thinning the rows, provides a good quantity of young leaves less than a month after the seedlings. The leaves reach maturity about two weeks later. Approximate space between plants: 20m
Optimal minimal height: N/A

AROMATIC HERBS



5-21
DAYS



70
DAYS



GENOVESE BASIL

Its leaves can grow very big, however, the bigger they are, the more flavor they lose. Do not wait too long before harvesting them!

Approximate space between plants: 30 cm

Optimal minimal height: 60 cm

DRAGON TONGUE MUSTARD

Soft flavor that can still spice things up in a salad. Late to bolt.

Approximate space between plants: N/A

Optimal minimal height: N/A



4-8
DAYS



40
DAYS



10-14
DAYS



50-55
DAYS



SANTO CILANTRO

Aromatic and rapid growth. Well cared for, the plants can keep their vigor longer. Remove yellow or brown leaves.

Approximate space between plants: N/A

Optimal minimal height: 45 cm

DILL BOUQUET

Aromatic and full of freshness, it quickly produces flowers.

To preserve the plant, remove flowers as they bloom.

Approximate space between plants: N/A

Optimal minimal height: 75 cm



7-20
DAYS



45-55
DAYS



14-21
DAYS



75
DAYS



CURLY-LEAF PARSLEY

The curly-leaf parsley is a very easy to maintain crop. For harvesting, cut the entire stems with clean scissors.

Approximate space between plants: 20 cm

Optimal minimal height: 20 cm

VEGETABLES, FRUITS & OTHER CULTIVARS



7-10
DAYS



65
DAYS



MINI BAMBINO EGGPLANT

Dwarf and early variety, this type of plant produces numerous round and violet cocktail type fruits, with a diameter of about 3 cm.

When the plants are mature enough, cut the leaves at the base of the plant to accelerate fruit production. Approximate space between plants: 50 cm
Optimal minimal height: 50 cm

BIRDIE ROUGE MICRO DWARF TOMATO

A very flavored, but very small tomato. This high-yielding variety is determinate, meaning that the plants do not need tutors. Do not remove the basal shoots and do not cut the plant's head. Approximate space between plants: 15 cm
Optimal minimal width: 30 cm



7-10
DAYS



50
DAYS



5-12
DAYS



50
DAYS



OCEANIS BEAN

Dwarf bean producing thin and tasty pods of 10 to 12 cm. High-yielding variety.

Before harvesting, taste one of the beans to make sure it is ready. Its dwarf nature can be misleading. If the pods are left for too long on the plant, they could become fibrous.

Approximate space between plants: 10 cm
Optimal minimal height: 40 cm

DOE HILL PEPPER

High-yielding and early orange pepper variety. The plants produce thick-fleshed flattened fruits of 5 to 7 cm that have an exceptionally sweet flavor.

Peppers flower quickly, even if the plant is not strong enough. Remove a couple of flowers to make it stronger.

Approximate space between plants: 30 cm
Optimal minimal height: 45 cm



7-10
DAYS



60
DAYS



10-14
DAYS



60-65
DAYS



CHAMOMILE

Use the flowers for infusions and as salad garnish. Approximate space between plants: 15 to 30 cm
Optimal minimal height: 15 à 30 cm

Vireo

1 (833) 468-4736

info@vireoeducation.com

www.vireoeducation.com

255 rue Notre-Dame-des-Anges

Québec, QC

G1K 3E7



@VIREO2021

Photos of Jardins de l'écoumène and Potager Ornemental :
<https://www.ecoumene.com/> ; <https://www.potagerornemental.com/>