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Johnny's 512 Mix is a complete compost-based growing mix for soil blocks, trays, or small containers. It is a blend of mature compost, blond sphagnum, fish meal, and Perlite. No chemical fertilizer or wetting agents are added.

The peat moss used in the 512 Mix is considered “essentially sterile” for horticultural purposes. The compost is not sterilized. Most growers will want to use the mix moistened as it comes from the bag, preserving its organic, living character. However, growers requiring a strictly sterile mix should heat-sterilize this product before use.

SEED STARTING:

1. Moisten the mix. It should be moist enough to hold shape when squeezed, but not release water.
2. Fill your containers with moistened mix. Gently shake the container to settle the mix; do not press to firm.
3. Sow the seeds, covering with additional moistened mix or vermiculite.
4. Mist the surface as needed to keep the surface moist until emergence of seedlings. After emergence, water as needed, but only when the mix is almost dry.
5. If required, transplant young seedlings to larger or individual containers filled with Johnny's 512 Mix.

HOUSEPLANTS and BULBS:

1. Select the right size pot for the species and plant size with drainage holes at the bottom.
2. Put a layer of moistened mix in the pot. Set the plant or bulb at an appropriate level for its size or species. Work in more mix around and above root ball or bulb. Press to firm. Water thoroughly.
3. For plants: Move pot to a shady location for 2 days, then move to its intended location.
4. Water only when the soil mix is almost dry. Begin using a soluble fertilizer after 6–8 weeks, or when plants appear to need additional fertilization. Johnny's 512 Mix should supply enough nutrients for full-term growth without any added fertilizer, depending upon species and container size.

Fertilization Tip

Johnny's 512 Mix contains sufficient nutrients to carry most vegetable and flower starts to transplant. In very small containers or for certain high-nutrient demanding crops, supplemental fertilizing may be desirable. Do not add fertilizer initially.

Notes:

- Avoid breathing dusty growing mix; breathing dust may be harmful to your health. Please handle the premoistened or dry mix only in areas with good ventilation.
- Johnny's 512 Mix is not recommended for use with flat and tray filling machines.

USING JOHNNY'S 512 MIX WITH THE SOIL BLOCK MAKER

A soil block maker creates blocks of growing medium that have been lightly compressed and shaped — Johnny's 512 Mix is easily made into soil blocks and eliminates the need for plastic pots for transplanted seedlings. Seedlings grown in soil blocks develop stronger root systems than those grown in containers. This creates a substantial advantage when seedlings are transplanted into the field: reduced root disruption means they are less prone to transplant shock. For more information on Soil Block Makers, please refer to our manual on our website.

NUMBER OF POTS/FLATS/TRAYS PER BAG

Johnny's 512 Mix is not compressed. A 20-quart bag holds 1,344 cubic inches. A 60-quart bag holds 4,032 cubic inches.

	20 qt.	60 qt.
4-inch pots		
	35	106
Plug Flats		
288 cells*	9	28
200 cells*	8	26
128 cells	6	17
72 cells	5	14
50 cell	4	14
Pro-Tray**		
72 cells	6	18
38 cells	5	15
24 cells***	7	21

* Growers may wish to further screen mix when filling these flats; anticipate 10–15% loss of mix.

** Pro-Trays have round holes that hold less mix than the square cells of Plug Flats.

*** The 24-cell Pro-Trays have holes that are spaced further apart for leaf development.

Complete ingredient list for Johnny's 512 Mix:

- Dark humus peat moss
- Sphagnum peat moss
- Compost, which contains:
 - Chicken manure
 - Dairy manure
 - Hardwood shavings and sawdust
 - Turkey slaughter waste
 - May include seaweed, plant residues (garden waste and weeds), elemental sulfur, and/or gypsum
- Perlite
- Fish Meal

Johnny's 512 Mix is approved for use in organic production in the state of Maine through the Maine Organic Farmers and Gardeners Association (MOFGA).