

NEW PRODUCT ANNOUNCEMENT

COMPANION® DRY SUPER CONCENTRATE

Users of the extremely popular liquid Companion® now have a choice. Responding to demand for an effective dry microbial product that can be easily incorporated into growing media, Growth Products, Ltd. has developed Companion Dry Super Concentrate. This new product provides all of the same benefits as its liquid predecessor, albeit in a dry formulation. Now available for purchase, Companion Dry is perfect for utilization by custom soil blenders, and may also be used in greenhouse and nursery operations, and on ornamentals and food crops.

The product contains *Bacillus subtilis* GB03 bacteria, which quickly colonize the growing media, where they out-compete soil borne pathogens. Once established, these beneficial bacteria exude auxin-like substances that encourage denser and more vigorous rooting. Companion Dry also stimulates quicker, more abundant seed germination, helps in the reduction of transplant shock, and significantly increases fresh shoot weights, flowers, and fruiting.



Companion Dry Super Concentrate is effective in all types of mixes, including those for potting, germination, plugs, and general purpose. It is also compatible with mixes containing bark or peat, and in hydroponics systems that utilize rockwool, and soilless bags (peat, vermiculite, perlite, etc.).

Companion Dry Super Concentrate:

- Is powerful! Our recommended application rate is just 1/2 to 1/3 of competitive dry products!
- Costs only half as much to ship than competitive dry products and takes up just half the storage space
- Provides users with a dry version of our very popular liquid Companion
- Contains *Bacillus subtilis* GB03 for use on greenhouse, nurseries, ornamentals and food crops grown in greenhouses and outdoors
- Contains a fortified natural organic carrier designed to act as the food source for the beneficial microorganisms. Includes sugars, a wetting agent, amino acids, vitamins, and micronutrients
- Quickly colonizes the soil, thereby out-competing soil-borne pathogens
- Produces denser, whiter, and more vigorous root system
- Helps plants more quickly overcome damage from transplant shock or disease outbreaks
- Stimulates quicker and more abundant seed germination
- Significantly increases fresh shoot weights, root density, flowering, and fruiting
- Can be followed up by applications of Companion Liquid Biological Fungicide, which will protect against fungal diseases such as *Fusarium*, *Pythium*, *Rhizoctonia*, and *Phytophthora*



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COMPANION®

DRY SUPER CONCENTRATE

ACTIVE INGREDIENT

Bacillus subtilis GB03*:	00.03%
INERT INGREDIENTS:	99.97%
TOTAL:	100.00%

*Contains not less than 1.65 x 10⁷ Colony Forming Units (CFU) per gram.

For soil enhancing purposes, Companion Dry Super Concentrate also contains: Sucrose, Monosaccharides, Condensed Fermented Plant Extracts, Dextrin, an Organic Sequestrant, and a Wetting Agent.

FOR INCORPORATION INTO GROWING MEDIA FOR NURSERY & GREENHOUSE MIXES

Mix Companion® Dry Super Concentrate at a rate of 1/2 pound per cubic yard (yd³) of loose planting mix. Companion Dry Super Concentrate is effective in all types of mixes including potting, germination, plug and general purpose; it is also compatible with bark-containing mixes. For best results, Companion Dry Super Concentrate must be incorporated thoroughly and distributed uniformly throughout the media during the blending process.

For bulk soil blending, use the following table for mixing rates.

Companion Dry Super Concentrate	Truckload Quantities
25 lbs.	50 Cubic Yards
40 lbs.	80 Cubic Yards
50 lbs.	100 Cubic Yards

The table below can be used to determine how much Companion Dry Super Concentrate to utilize based upon planting or rooting depth and area to be treated.

CROP TYPE	RATE
Flowers, Bedding Plants, and Ornamentals	.5 lbs. / cubic yard soil mix
Fruiting Vegetables	2.5 lbs. / acre .5 lbs. / cubic yard soil mix
Herbs, Spices, and Mints	2.5 lbs. / acre .5 lbs. / cubic yard soil mix
Hydroponics Crops	.5 lbs. / cubic yard soil mix
Leafy Vegetables and Cole Crops	2.5 lbs. / acre .5 lbs. / cubic yard soil mix
Pome Fruit	2.5 lbs. / acre .5 lbs. / cubic yard soil mix
Shadehouse and Outdoor Nursery Crops	2.5 lbs. / acre
Stone Fruit	2.5 lbs. / acre .5 lbs. / cubic yard soil mix
Nut Trees	2.5 lbs. / acre .5 lbs. / cubic yard soil mix

The following table can be used to determine how much Companion Dry Super Concentrate to utilize based upon planting or rooting depth and area to be treated.

Planting Depth (Inches)	Pounds Per 100 Square Feet	Square Feet per Pound
2	.33	324
4	.6	162
6	1	108
8	1.25	82
10	1.5	64
12	1.85	54

SEEDS, CUTTINGS AND OTHER NON-ROOTED PLANT MATERIAL

Mix Companion Dry Super Concentrate at a rate of 1/2 pound per cubic yard. Allow potting medium that has been sterilized to cool to 110°F or lower before adding Companion Dry Super Concentrate. Plants without established roots can be planted immediately after mixing with Companion Dry Super Concentrate.

HYDROPONICS

Companion Dry Super Concentrate may be used in soilless media in hydroponic systems that utilize rockwool, soilless bags (peat, vermiculite, perlite), and NFT (nutritive film techniques). Companion Dry Super Concentrate should be thoroughly incorporated with soilless mix at a rate of 1/2 pound per cubic yard.

BULBS

Pre-blend Companion Dry Super Concentrate into your soil mix at the time of bulb planting or cold storage. Mix at a rate of 1/2 pound Companion Dry Super Concentrate per cubic yard. Bulbs may be dusted with Companion Dry Super Concentrate before planting or cold storage and may be pot or case cooled. Dust with 1/4 lb Companion Dry Super Concentrate per 100 pounds of bulbs. If replanting bulbs after cold storage, incorporate Companion Dry Super Concentrate into media at a rate of 1/2 pound per cubic yard. Follow up with a treatment of Companion Liquid Fungicide 3 - 4 weeks after placement in greenhouse.

IN-FURROW SOIL TREATMENTS

Apply Companion Dry Super Concentrate at a rate of 1.3 pounds per acre. For best results, apply Companion Dry Super Concentrate mixed with a carrier and using a metering device, such as a Gandy applicator or equivalent, mounted to deliver granules into the furrow just behind the furrow opener. Apply in furrow at seeding or to established crops as a side dress.

TREES, SHRUBS & TRANSPLANTS

Apply Companion Dry Super Concentrate to the planting hole at a rate of 2 - 4 ounces and incorporate into the planting soil or soil mix.

FREQUENCY

Follow up with applications of Companion Liquid Biological Fungicide for optimum disease protection, and continued vigorous plant growth every 3 - 4 weeks after planting. Companion Liquid Biological Fungicide can be easily used with any type of irrigation equipment such as sprinkler, flood (basin) or drip (trickle) irrigation systems without concern for clogging or abrasion. Companion Liquid is compatible with technical materials and chemical fungicides. It works to prevent and suppress diseases such as Rhizoctonia, Pythium, Fusarium, Phytophthora, Sclerotinia, and Anthracnose.