



# PLUS 7-7-7 Commercial Applications

*SOIL MOIST PLUS 7-7-7* is a synthetic acrylic water storing polymer blended with an 8-9 month timed release 7-7-7 fertilizer. It is a safe, non-toxic polymer used in all horticultural and landscape applications. When used according to the application rates, *SOIL MOIST PLUS 7-7-7* will reduce irrigation frequency by 50% and last 3-5 years in the soil. The fertilizer is effective in the soil for 8-9 months at 70°F.

## **BENEFITS:** *SOIL MOIST PLUS 7-7-7*

polymers are not multi-use polymers that were developed for other industries. *SOIL MOIST PLUS 7-7-7* are potassium based and specifically designed for the horticultural and landscape industry.

- Reduces plant watering by 50%
- Feeds a timed release fertilizer for 8-9 months
- Reduces transplanting shock
- Reduces plant stress due to lack of available water
- Increases soil aeration
- Cost effective

## **APPLICATIONS:**

### **TRANSPLANTING:**

Mix three ounces of *SOIL MOIST PLUS 7-7-7* per one foot of rootball. Mix a majority of the polymer around the planting hole, mix balance with backfill. Do not amend the top two inches with polymer. Water liberally. Rate should be increased to four ounces per one foot of rootball in sandy soils.

3/4 oz. per 4" rootball

1 1/2 oz. per 8" rootball

<b>Balled and Burlapped</b>			<b><i>SOIL MOIST PLUS 7-7-7</i></b>	
<u>Caliper Size</u>	<u>Average Amount</u>	<u>Sandy Soils</u>	<u>Containerized</u>	<u><i>SOIL MOIST PLUS 7-7-7</i></u>
1"	3 oz.	4 oz.	1 gallon	.75 oz.
2"	6 oz.	8 oz.	3 gallon	1 oz.
3"	9 oz.	12 oz.	5 gallon	1.5 oz.
4"	12 oz.	1 lb.	10 gallon	3 oz.
<u>Boxed Trees</u>			15 gallon	4.5 oz.
24"	10 oz.		20 gallon	6 oz.
36"	20 oz.			
48"	26 oz.			

## **BROAD AREA TREATMENT:** *Flower Beds, Ornamental Gardens*

Two methods available: sprinkle a small amount (1/2 tsp.) of *SOIL MOIST PLUS 7-7-7* in the plant hole, plant and cover with soil or apply one and one half pounds per 100 square feet of ground area. Spread the polymer and work into the soil at a depth of three to four inches.

## **TURF/SODDING:**

Apply at a rate of nine pounds per 1000 square feet or 400 pounds per acre if worked into the soil at five to six inches. Use six to eight pounds per 1000 square feet (260 to 350 pounds per acre) if worked into the soil at three to four inches. Broadcast the polymer with a spreader or drop seeder for even disbursement. Work into the soil, spread seed or lay sod, roll and soak thoroughly. If applying grass seed, you may want to use our *SOIL MOIST SEED COAT* (technical brochure, Form 190).

## GREENHOUSE/NURSERY:

To use as a soil amendment, mix three pounds of *SOIL MOIST PLUS 7-7-7* per cubic yard of soil. Make sure the polymer is thoroughly mixed for even disbursement. Best results in mixing are achieved when the polymer is incorporated into the soil in the dry crystal form.

### Bulk Mixing

1 cubic foot of soil	1.8 oz. (50 grams)
1 bushel	2.2 oz. (62 grams)
1 yard	3 lbs.

### *SOIL MOIST PLUS 7-7-7*

**ESTIMATED COVERAGE:** Based on the rate of three pounds of *SOIL MOIST PLUS 7-7-7* per cubic yard of soil, the following information can be used as a general guideline. (Please note: Actual pot dimensions may vary from one manufacturer to another and soil volumes will vary depending upon the type of soil used.)

BULK MIXING	Amount of Soil Moist Plus 7-7-7 per individual		Pots per cubic yard of soil	<i>SOIL MOIST PLUS 7-7-7</i> Amount Treated per Container Size	
	Container Size	Container		10 lb.	40 lb.
	2 1/2" round	—	5,616	18,720	74,880
	2 1/2" square	—	6,048	20,160	80,640
	4" round	3/4 tsp.	1,296	4,320	17,280
	4" square	3/4 tsp.	1,512	5,054	20,160
	5" round	1 tsp.	756	2,520	10,080
	6" round	1 tsp.	432	1,440	5,760
	8" round	1-1/2 tsp.	162	540	2,160
	10" round	.75 oz.	81	270	1,080
	10" hanging	.75 oz.	135	450	1,800
	1 gallon	.75 oz.	189	630	2,520
	3 gallon	1.0 oz.	122	407	1,628
	5 gallon	1.5 oz.	50	166	664
	11" x 2 1/4" x 2 1/4" flat	—	124	413	1,652

Above estimated coverage does not take into consideration the increase in soil volume when water is absorbed in a potting soil mixture containing *SOIL MOIST PLUS 7-7-7*. Volume will increase ten to fifteen percent.

Soil Volumes		Conversion Chart	
25.7 quarts	= 1 cubic foot	3 tsp.	= 1 tbl.
27 cubic feet	= 1 cubic yard	1 tbl.	= 1/2 oz. Soil Moist
1 bushel	= 1 1/4 cubic feet	3 tsp.	= 1/2 oz. Soil Moist
22 bushels	= 1 cubic yard		

100 square feet of bench area, with a depth of six inches of soil is equal to 50 cubic feet of soil.

#### CAUTION: KEEP OUT OF REACH OF CHILDREN

*SOIL MOIST™* products are non-toxic. Keep away from open wounds. When mixing large quantities for bulk mixing, wear a mask, dusty conditions may exist. If ingested or eye contact occurs, call a physician. Spilled materials are slippery when wet. Sweep up spills and place in disposal container. Maintain good housekeeping to control dust accumulations. **DO NOT ALLOW MATERIAL TO ENTER DRAINS.**

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