MIDWEST TRADING
HORTICULTURAL SUPPLIES, INC.®
a Midwest-Orum Company

Product Data Sheet

Flat and Pack Mix

Product Description:

Flat and pack is a peat based professional growing media designed for smaller containers, short term crops and general greenhouse use. A blonde long fiber sphagnum peat moss is utilized to provide moisture retention and mix structure. Mix is pH buffered with a combination of dolomitic and high calcium lime to ensure proper Ca/Mg balance in the substrate. Starter charge provides up to 2 weeks of crop support. Blue chip (38-0-0) is included to stabilize the organic matter in blends to prevent any nitrogen immobilization. Flat and Pack mix is manufactured at optimum moisture content of 50 to 60 percent which will increase the pot per cubic foot yield and positively impact soil structure.

Ideal Uses:

- Propagation
- Flats
- Vegetable starts
- 4-6” containers
- 8-12” containers

Available In:

- 2.8 CF Bags
- 60 CF Totes
- Bulk

Composition/Ingredients:

- Canadian Sphagnum Peat Moss
- 3/8” Southern Pine Bark Fines
- Perlite
- Starter charge & blue chip
- Lime (Dolomitic and Hi-calcium)
- Wetting agent

Physical Characteristics:

Air Porosity	19-24%
Water Holding Capacity	54-60%
Manufactured Moisture Content	50-60%
Dry Bulk Density	7-9 lb/ft^3
Bulk Density (@manufacturing)	14-18 lb/ft^3

pH and EC:

pH Range After Incubation	5.4-6.3
Electrical Conductivity	1.0-2.0 dS/m

Chemical Characteristics:

Extractable Nutrient Content in ppm dry weight basis

N (NO_3+NH_4)	P (PO_4)	K	Ca	Mg	Cu	Zn	Mn	Fe
350-450	100-200	1200-1500	2000-2300	1000-1400	4-8	25-30	180-230	150-180

Water Soluble Nutrient Content in ppm saturated paste (SME)

K	Ca	Mg	SO4	B
80-150	60-100	50-80	300-550	<0.5

Midwest Trading partners with Soil and Plant Laboratory Inc. to run extractable nutrient analysis to better determine mix suitability. A saturated media extract (SME) analysis is available for each production run that can serve as a tool for cultural practices at time of receipt. The SME functions to give a snap shot of immediate nutrient availability at time of sampling and can vary based on moisture, temperature, and time. Ranges are approximated based on laboratory analysis. For informational purposes only and cannot be used as a warranty.