



# Product Data Sheet

## Flat and Pack Plus



### Product Description:

Flat and Pack Plus 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. Vermiculite is included to improve nutrient and water retention without sacrificing air porosity. 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 10-14 days of crop support. Blue Chip (38-0-0) is included to stabilize the organic fraction of the blends to prevent any nitrogen immobilization. Flat and Pack Plus is manufactured fresh at an optimum moisture content of 50-60% to increase the pot per cubic foot yield and positively impact soil structure.

### Ideal Uses:

- Propagation
- Flat production
- 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
- Coarse Perlite
- Medium grade Vermiculite
- Starter Charge and Blue Chip
- Lime (Dolomitic and Hi-calcium)
- Wetting Agent

### Physical Characteristics:

Air Porosity	15-20%
Water Holding Capacity	57-64%
Manufactured Moisture Content	50-60%
Dry Bulk Density	7-9 lb/ft <sup>3</sup>
Bulk Density (@manufacturing)	14-18 lb/ft <sup>3</sup>

### Chemical Characteristics:

Extractable Nutrient Content in ppm dry weight basis

N (NO <sub>3</sub> +NH <sub>4</sub> )	P (PO <sub>4</sub> )	K	Ca	Mg	Cu	Zn	Mn	Fe
400-900	200-400	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	SO <sub>4</sub>	B
80-150	60-100	50-80	300-550	<0.5

Made to order mixes require a minimum of 5 CY bulk or 6 pallets bagged and turnaround time of 5 business days.

Midwest Trading Partners with Waypoint Analytical to run extractable nutrient analysis to determine mix suitability. An "A17" analysis is available for every production run that can serve as a tool for cultural practices at time of receipt. This analysis provides a reading of nutrient availability at time of manufacturing 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.

