



Verdanta[®] RM-1

Verdanta RM-1 is a high phosphorus-containing granular fertilizer with an analysis of 4-30-0. RM-1 utilizes both organic and mineral nutrient sources to provide nitrogen and phosphorus to plants. RM-1 provides nutrients for up to 100 days at 60° F.

Specifically, the nutrient sources in Verdanta RM-1 are:

Nutrient source	Supplies	
	N	P
Dicalcium phosphate (from bones)		X
Monoammonium phosphate	X	X
Hydrolyzed feather meal	X	
Cocoa shell meal	X	X
Soybean meal	X	X
Diammonium phosphate	X	X



Verdanta RM-1 is not a blend of separate particles of each of the above ingredients. The ingredients it contains are carefully formulated into homogeneous (uniform in composition) MINIGRAN[®] granules for better nutrient distribution and availability. What this means is every granule contains the same amount of N and P.

Why organic ingredients?

An advantage to the blend of organic and mineral fertilizer sources is the release characteristics of the granule. Phosphorus from purely mineral sources, such as superphosphate, triple superphosphate, or ammonium phosphate is tied up quickly in high pH soil or readily leached from peat-based potting mixes¹. The presence of organic nutrient sources in Verdanta RM-1 both adds slowly released nutrients as well as attracts beneficial microorganisms. These microorganisms which are attracted by the organic materials, reduce the pH around the granule while they breakdown and feed on the organic sources. The pH drop immediately around the granule makes the phosphorus more available to plant roots.

Why use it?

Verdanta RM-1, with its better phosphorus availability can be used with many fertilizer programs to provide a base level of phosphorus suitable for any crop, and especially those that have high P demands. It is especially useful in high pH soils, and in cold temperatures. RM-1 is also beneficial used in seed or vegetative propagation for enhancing root growth. For example, lettuce transplant growers see better rooting and better establishment and growth in the field when RM-1 is used in the transplant medium.

RM-1 can be added to any potting medium to complement your nutrition program where added phosphorus can be of benefit.

Give RM-1 a try. Trial material is available by visiting www.bioworksinc.com/verdanta.

¹ Janet C. Cole and John M. Dole, "Leaching Characteristics of P From Four Fertilizer Sources in a Container Nursery Growing Medium," HortScience 30, no. 4 (1995) 794.