



Helena Development Lab
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Helena Technical Services

Comparison of NutrAsyst™, Hydra-Hume®, Avail®, N-Serve® and Agrotain®



Parameter	NutrAsyst	Hydra-Hume (liquid)	Avail	N-Serve	Agrotain
Prevents Phosphate Tie-Up	YES	YES	YES	NO	NO
Stabilize Nitrogen	NO	YES	NO	YES	YES
Organically Activated Program to Reduce Phosphate	YES	YES	NO	NO	NO
Organically Activated Program to Reduce Nitrogen	NO	YES	NO	NO	NO
Flocculates Soil Particles	NO	YES	NO	NO	NO
Helps Form Water Stable Aggregates	NO	YES	NO	NO	NO
Improves Aeration	NO	YES	NO	NO	NO
Improves Water Utilization	NO	YES	NO	NO	NO
Stimulates Plant Growth	YES	YES	NO	NO	NO
Improves Germination	YES	YES	NO	NO	NO
Increases Root Growth	YES	YES	NO	NO	NO
Field Proven / Enhances Yield	YES	YES	YES	YES	YES
All Formulations Safe to Apply on Seed	YES	YES	NO	NO	NO
Organically Activated	YES	YES	NO	NO	NO
Proved to Enhance Uptake of N,P,K and other Micronutrients	YES	YES	NO	NO	NO

1. Avail
 - Extra consideration needed for efficient implementation for blending into existing fertilizer formulations
 - Always increases cost/ac to P fertilizer (No OAFP efficiencies studied or implied)
2. Nitrapyrin /DCD (N-Serve)
 - Registered pesticide (appropriate cautionary label requirements)
 - Corrosive! Worker safety considerations
 - Always increases cost/ac to N fertilizer (No OAFP efficiencies studied or implied)
3. NBPT (Agrotain)
 - Pesticidal effect / EPA registered material
 - Handling/mixing must be closely managed; Worker safety considerations
 - Always increases cost/ac to N fertilizer (No OAFP efficiencies studied or implied)

NutrAsyst is a trademark and Hydra-Hume is a registered trademark of Helena Holding Company. Avail is a registered trademark of Specialty Fertilizer Products. N-Serve is a registered trademark of Dow Agrosciences. Agrotain is a registered trademark of Agrotain International. Always read and follow label directions. ©2009 Helena Holding Company

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