

Why should you switch from 10-34-0 to Monty's 11-26-0-1S?

10-34-0... Is a 65% Poly and 35% Ortho mix. It is a very high salt and corrosive product, delivering a minimal amount of available phosphorus to the young plant, early in its growth. It is applied mainly 2x2, making it even less available to the plant.

11-26-0-1S... is 90% Orthophosphate and 10% Poly. It is used in the row on the seed delivering the highest levels of available phosphate to the seed and plant, early in its growth when it needs it the most. 90% Orthophosphate is a low salt product, making it much safer for in-furrow placement.

Advantages of Monty's 11-26-0-1S:

**** Plant roots take up phosphorus only in the Ortho form.**

Monty's 90% orthophosphate product has more P immediately available to the plant **

- More unit value per pound of phosphorus
- Added 1% Sulfur. Sulfur activates enzymes and hormone systems for plant growth
- Virtually no heavy metals
- A much less corrosive product than 10-34-0... more planter friendly!

11-26-0-1S 90% Orthophosphate – Weighs 11 lbs per gallon=182 gal/ton

- 11 lbs/gal x 5 gallon = 55 lbs x .11 = 6.05 units of Nitrogen available
- 11 lbs/gal x 5 gallon = 55 lbs x .26 = 14.3 units of Ortho P available
- 11 lbs/gal x 5 gallon = 55 lbs x .01 = .55 units of Sulfur available
90% 14.3 units = 12.87 units of Ortho P in 5 gallons

10-34-0 – Poly 65% and Ortho 35% mix – Weighs 11.6 lbs per gallon=172 gal/ton

- 11.6 lbs/gal x 5 gallon = 58 lbs x .10 = 5.8 units of Nitrogen available
- 11.6 lbs/gal x 5 gallon = 58 lbs x .34 = 19.72 units of Phosphorus
35% of 19.72 = 6.9 units of Ortho P in 5 gallons

10-34-0 is a 65% Poly with only 35% Ortho available, which reduces the availability of Phosphorus. Meaning, of the 19.72 units of phosphorus in 10-34-0, only 6.9 units of phosphorus are available (19.72 x .35). Considering only 35% of a poly/ortho product is available, 10 gallons of 10-34-0 only provide 13.80 units of usable Phosphorus.

Cost equation:

11-26-0-1S = \$____/gal x 5 gal/ac = \$____ = 90% available

10-34-0 = \$____/gal = 10 gal/ac = \$____ = 35% available,
raising your cost (at 10 gallon/ac) to \$____/ac.

What is the difference between 90/10 Orthophosphate and 65/35 Phosphate?

Orthophosphate is readily available to the plant. The 65/35 poly blend contains a synthetic phosphorus, heavy metals, and requires as much as 20 to 40 days of conversion (depending upon soil conditions) to become plant available. This delay can result in uneven germination, uneven emergence, and inconsistent root development — and an overall less healthy and productive plant. Conversely, when more phosphorus is immediately available to the plant through a higher ratio of orthophosphate (ex Monty's 90%), you obtain better root development, quicker and more even emergence, and a healthier plant.



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Compared to Monty's 11-26-0-1S (at 5 gallons/ac), the traditional 10-34-0 (at 10 gallons/ac) is an expensive, low performance product. Monty's 11-26-0-1S gives you more than double the available Phosphorus! In addition, because of the high salt, it would definitely NOT be safe for in-furrow placement. Ask your Monty's Representative how 11-26-0-1S can benefit you!