

What Superintendents are Saying about Expo

Funny thing about potash...and that's the fact that most of the benefits are anecdotal in nature. There's no dramatic green-up when you make a potash application and there aren't really many other visual responses to note. Yet when you talk to superintendents who have been using Expo for more than one season, you'll typically hear comments like the ones below, proving that Expo is much more than just potash.

Excellent Longevity

It rivals coated products -- ten, eleven weeks of response from a one-lb N/M application on cool season grasses.

Simple yet Effective

Two one-lb N/M applications result in fewer peaks and valleys than spoon feeding and actually provide more consistency than coated products.

Healthier Turf

Expo delivers what is often claimed by organics -- less disease and a healthy, vigorous turf that recovers readily from damage and stress.

Easy to Spread

The distinctive purple color is easy to see, both in the air as you're spreading the product, and also on the ground.

Improved Density

Crew members of superintendents using Expo have made unsolicited comments about the improvement in turf density.

Better Quality of Cut

Expo-treated Poa fairway showed an improved quality of cut. This was attributed to better density and a more upright growth habit which results in a better playing surface.

Expo is a lot more than potash

Although its potash release characteristics are what make Expo so special, it's a complete fertilizer. As a matter of fact, Expo comes as ProScape 20-0-25. 100% of the potash is Expo sulfate of potash and 100% of the nitrogen comes from Meth-Ex 40 methylene urea complex. The result is a homogeneous product that really delivers when it comes to quality, long-term performance.

Here's the breakdown:

ProScape 20-0-25 (also called Expo)

Total Nitrogen (N) 20.0%
 3.0% Urea Nitrogen
 6.5% Water Insoluble Nitrogen
 10.5% Other Water Soluble Nitrogen
 Soluble Potash (K₂O) 25.0%
 Sulfur (S) 8.5%
 8.5% Combined Sulfur (S)

This is a homogeneous product so whether you're talking about SGN I45 or SGN I95 granules, you can count on consistency

You might wonder why there's urea in a product like this but it's easy to explain -- there is always some urea in a methylene urea complex (MUC). The amount varies based on whether it's a long-chain MUC or a short-chain MUC.

The OWSN comes from short-chain methylene urea polymers that are soluble in water. They begin to provide turf response just a few days after application and continue for eight weeks or more. By that time, the WIN is ready to finish out the response package, which is in the ten- or eleven-week range according to those best equipped to evaluate product performance, the superintendents who use it.

Many superintendents have commented that the color of their turf has been unusually good when they have used Expo. One potential reason is that sulfate sulfur is being released into the soil solution slowly, at the same rate as the potash. Since the sulfate ion is negatively charged, it is repelled by, rather than being attracted to, the soil colloid. It is reasonable to assume that a steady supply of sulfate sulfur has a better chance of being taken up by the plant than a sudden rush of sulfate sulfur that would be the result of using a soluble source.

LebanonTurf has claimed that Expo potash is controlled-release. This has been based on a leaching test that has not been approved by AAPFCO but one which makes a great deal of common sense. In this test, a sample of SOP and a sample of Expo, weighed to make sure they both contain the same amount of potash, are subjected to leaching. It takes twice as much water to leach the potash from the Expo sample as it does to leach all the potash from the SOP sample. This is why we say that a one-lb application of Expo can be legitimately compared to two one-lb applications of SOP.

The Power of Purple



Superintendents are getting what they want with LebanonTurf's Expo



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Expo is Cost Effective Too

Consider a 5.0 lb/M Expo application
 This is equivalent to 25 lbs/M Meth-Ex 40 40-0-0 and two 25 lbs/M apps of 0-0-50
 Gather the facts:

- _____ Cost of one bag of Expo
- _____ Cost of one bag of SOP
- _____ Cost of one bag of ME 40
- _____ Cost of spreading labor

Calculate the Cost per M:
 One 5.0 lb/M Expo app: _____
 One labor cost for the actual application: _____
 TOTAL: _____

Compare to the cost of:
 One 25 lb/M 40-0-0 app: _____
 One 25 lb/M SOP app: _____
 Repeat SOP in six weeks: _____
 Three sets of labor cost: _____
 TOTAL: _____