



Update

Rock River continues to be a Low Mu Tech Dust dealer. This product is a great talc and graphite replacement and works in any planter, seeders or grain drills. Dust is tested and backed by several land grant Universities such as Nebraska and Ohio State.

Some advantages of dust:

- Made from 100% American Soybeans
- Healthier alternative to talc and graphite
- Totally renewable and sustainable – biodegradable in the soil after 28 days
- A much cleaner option, completely wipes away
- Lubricates seed meters and other planter parts

Dust comes in 14-pound pails and the application rate is 1 oz per unit of seed for box planters and 1 oz per 2 units of seed in a center fill planter.

Looking Ahead

In 2020, the weather in late April was not conducive to planting a corn crop into cold soils. Many did start planting soybeans in April 2020 due to soybeans ability to germinate and tolerate colder soils. Much of this cold weather tolerance is at the plant molecular level being that corn is a warm season plant and needs heat to grow. Soybeans have such a high concentration of sugar in their first leaves that they are actually more cold tolerant than corn. Seed treatment also plays an important role when planting soybeans early. Pioneer’s soybean seed treatment is called Lumisena and has three main components: a fungicide, insecticide, and inoculant. Pioneer has chosen this seed treatment over other competitors after doing years of research. The fungicide and insecticide protection packages are broken down below.

| Fungicide and Biological Standard Package: | | | |
|---|---|--|--|
| Disease Protection | Ingredients | Features | Thoroughly Tested |
| <ul style="list-style-type: none"> • Phytophthora • Pythium • Fusarium • Rhizoctonia • Phomopsis | Lumisena: fungicide seed treatment EverGol Energy: fungicide seed treatment L-2030G: biofungicide | Lumisena: fungicide seed treatment provides best in class protection against Phytophthora | Lumisena fungicide demonstrated a +4 bu/ac in Phytophthora-susceptible fields, and +1 bu/ac across broad acres |
| | | L-2030G: biofungicide inhibits pathogens, activates roots natural defense, improving nutrient uptake through healthier roots and sites for nodulation | L-2030G demonstrated +0.6 bu/ac advantage in research trials |



| Gaucho insecticide seed treatment: | |
|--|--|
| Insect Protection | Highlights |
| <ul style="list-style-type: none"> • Bean Leaf beetle • Early season aphid • Seed corn maggot | Reduces leaf feeding and risk of late-season bean pod mottle virus |

| ILeVO fungicide/nematicide seed treatment: | | |
|--|--|--|
| Protection | Highlights | Thoroughly Tested |
| <ul style="list-style-type: none"> • Soybean cyst nematode (SCN) • Sudden death syndrome (SDS) | Offered at different rates: a lower rate for protection against SCN and a higher rate to include SCN and SDS | ILeVO fungicide/nematicide demonstrated a +2 bu/ac at all locations and environments and a +6.4 bu/ac at heavy SDS locations in agronomy research trials |

Agronomy Corner

It seems like every year we have been seeing more and more Sudden Death Syndrome (SDS) popping up in our area. This disease is a soil borne disease and is often transmitted by soybean cyst nematodes (SCN). SDS likes cold, wet springs and enters the plant very early in the season. The effects of this disease are not seen until later in the season when leaves start to show signs. By this time, it is too late to control the disease. SCN and SDS can be partially controlled with genetics and seed treatments. Pioneer has really emphasized screening their varieties for SDS in recent years and it has been noticeable with the improving tolerance scores in our newer varieties. The Peking trait brings an added level of protection over PI88788 trait for both SCN and SDS. These two pests can also be controlled with an additional soybean treatment called ILeVO. Adding ILeVO is an addition charge but helps add an extra layer of protection to your crop.

Below are examples of the foliar symptoms of SDS and the stem discoloration that is found:

