



LIFTOFF™ SEED TREATMENT SYSTEM

Stage 3

Combines the yield protection benefits of Stage 2 with a leading nematicide for control of soil borne parasitic nematodes along with an enhanced fungicide for control of Fusarium Root Rot.

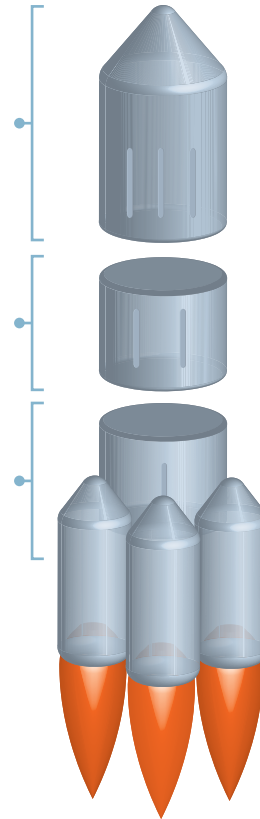
Stage 2

Combines the benefits of Stage 1 with select insecticide to protect against the harmful effects of early season insects.

Stage 1

Complete fungicide package protecting against a wide range of soil borne pathogens – boosting the plant before, during and after emergence.

Select biological components will boost each stage in Liftoff with benefits including improved nutrient uptake, water use efficiency, root growth, stress tolerance, disease resistance, insect control, and more.



Liftoff

Liftoff provides three stages of optimal protection to give your crop maximum boost.



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GIVE YOUR SOYBEANS A BOOST



Liftoff

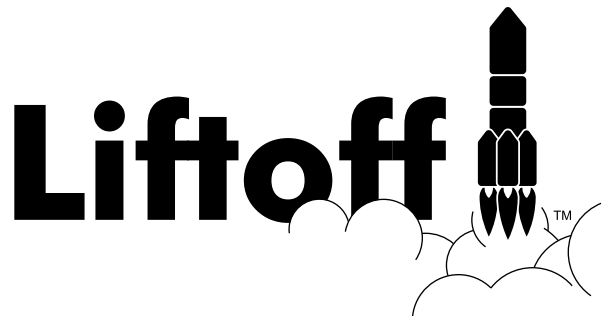
THE COMPLETE SEED TREATMENT PACKAGE

Cold weather, damp soil, disease, and insects can all wreak havoc on your crop. Liftoff seed treatment from Rupp is early-season crop insurance, protecting seeds and improving emergence. Doing so, provides a uniform stand which is crucial for your crop's success.

Which Treatment Is Right For Me?

There's a broad array of chemical and biological products available providing a range of pesticide, growth enhancement and plant defense benefits to your crop.

You can trust that our research and development staff has partnered with industry leaders and experts to bring you the best yield protection package available!



Liftoff Stage 1

Provides a **complete fungicide** package protecting against a wide range of soil borne pathogens – boosting the plant before, during and after emergence.

Fungicides Protect Against

- Rhizoctonia solani
- Fusarium (seed and soil borne)
- Cochliobolus sativa
- Pythium
- Seed-borne Septoria
- Aspergillus and Penicillium general seed rots

Enhanced Rates of Select Fungicides Protect Against

- Damping off
- Seed Rot
- Phytophthora

Liftoff Stage 2

Combines the benefits of Stage 1 with a **select insecticide** to protect against the harmful effects of early season insects.

Stage 2 can deliver **up to 1.8 bu./a** in yield benefit.

Insecticide Protects Against

- Aphids
- Leafhoppers
- Beetles
- Thrips
- Whiteflies
- Soil Grubs
- Wireworms

Liftoff Stage 3

Includes **leading nematicide** for control of soil borne parasitic nematodes that has shown to **increase yields 4.7 bu./a** on average.

Stage 3 also incorporates an **enhanced fungicide** for control of Fusarium Root Rot.

Nematicide & Enhanced Fungicide Protects Against

- Fusarium viuliforme (Sudden Death Syndrome)
- Soilborne Nematodes
 - Hoplolaimus (Lance)
 - Meloidogyne (Root-Knot)
 - Rotylenchulus (Reniform)
 - Pratylenchus (Lesion)
 - Soybean Cyst



All Stages Include

Select biologicals and inoculants that boost each stage with benefits including improved nutrient uptake, water use efficiency, root growth, stress tolerance, disease resistance, insect control, and a **2 to 2.5 bu./a advantage** over untreated checks.

Inoculant Provides

- Increased Nodulation
- Biological Performance Enhancements