Teraxxa™ Teraxxa[™] F4 Seed Treatment Seed Treatment OPEN SEASON ON WIREWORMS NEW FOR HOW TO WIN **Others Repel. Teraxxa Seed Treatment Eliminates. D** • BASF We create chemistry



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Farmers have seen a surge of resilient pests that lurk just beneath the surface of their crops. Wireworms expand their populations exponentially and CAN REDUCE YIELD POTENTIAL BY AS MUCH AS

For years, farmers have had to rely on tools that are less than completely effective in their fight against wireworms. Tools that simply intoxicate the enemy. Giving wireworms the chance to return and even develop a resistance to neonicotinoid- and diamide-treated seeds.

Now is the time for change. It's time for farmers to regain the upper hand and take their yields back from the jaws of wireworms.

It's time for Teraxxa™ Seed Treatment.

Think you're ready for this mission?

MISSION BRIEFING

YOUR FIELD'S ENEMY

Hard, smooth and slender, wireworms can range between 1–2 inches in length when fully grown. But the enemies' small stature doesn't mean they can't deliver some major damage to your growers' yields. When they're in the larval stage, wireworms can lurk underground for up to 7 years and cut yield potential in half.¹



THE DAMAGE THEY DO

If your growers don't have the right tools in their arsenal, the fight against wireworms can be an uphill battle. Ineffective treatments fail to eliminate the enemy, and wireworms can level up into developing pesticide resistance.

Attracted by the CO₂ produced when seeds germinate, wireworms deal most of their damage early in the season when they're closer to the battlefield.

Aaron Esser, extension agronomist from Washington State University Extension, has seen these tricky foes completely eradicate yield potential.

" I'VE SEEN WIREWORMS WHERE WE HAD " FROM 40% TO 100% CROP LOSS.

The pervasive pests can eat through almost anything found in your soil, and their population can grow from two adults to 200 adults and 1,000 wireworms in just three years—making it even more difficult to win the war for healthy yields.

SPOTTING YOUR TARGET

Not sure if these pests have invaded a wheat field crop?

Here are some telltale signs that wireworms have already started invading your field:

- Feeding damage on emerging leaves
- > Brown spots on roots at the base of the stem
- Wilting or dying flag leaves
- > Patchy or bare areas in the field

It doesn't matter if it's land or irrigated soil. Wireworms thrive in both and often accumulate in the drip line of an irrigation pivot.



ADVANCED SCOUTING TECHNIQUES

To beat your enemy, you need to know your enemy. These scouting techniques will help your growers spot the problem and give them the upper hand in their fight against wireworms.

Soak corn and/or wheat seed overnight in water to speed germination.

Put the s an ordina 6 inches

Put the soaked seed bait in an ordinary sock and bury it 6 inches deep in your field.

THE RESERVE

Return in 7–14 days to see if the germinated seed has attracted wireworms.

STEP 4

If you find wireworms, preserve them in alcohol and send them to an entomologist to determine species.

You can also sieve your soil through a screen to look for wireworms.

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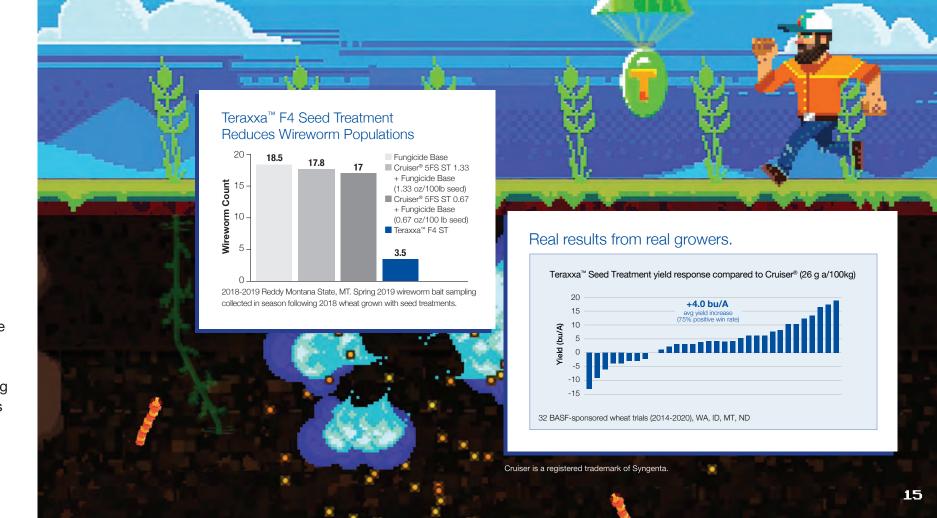


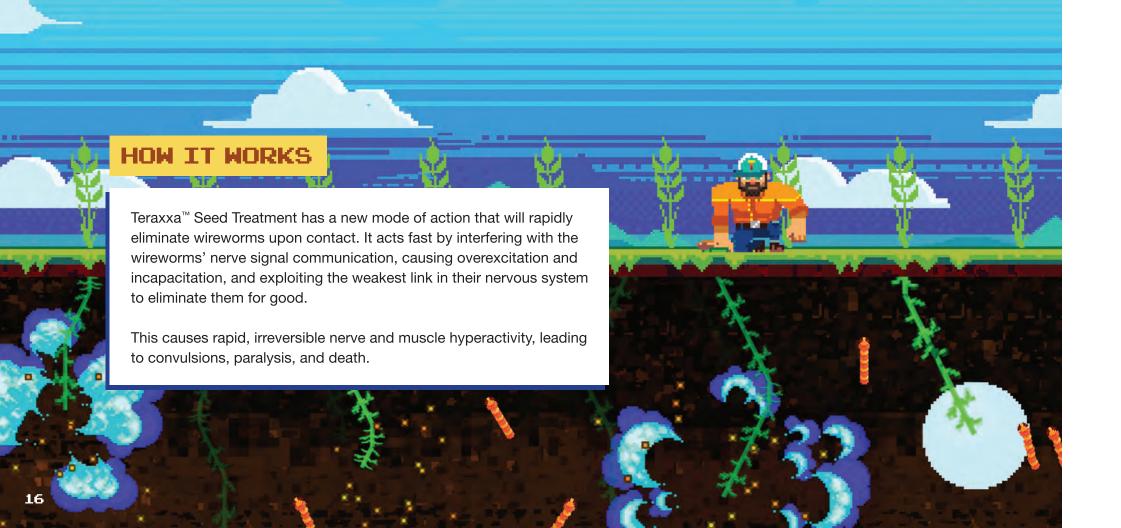


FOR YEARS, FARMERS HAVE HAD TO SETTLE . . .

... for pesticides that just intoxicate wireworms. While these treatments provided a temporary reprieve from these persistent pests, it did little to rid the field of the problem.

Teraxxa[™] Seed Treatment has the only active ingredient that causes wireworm mortality, preventing it from further feeding on your seed. It can help generate a five-fold reduction in wireworms the following growing season². And with its 75% win rate against competitors³, adding Teraxxa Seed Treatment to your arsenal is a no-brainer.





BROFLANILIDE THE ACTIVE INGREDIENT

The key component of Teraxxa[™] Seed Treatment is Broflanilide—a powerful insecticide.

- Unique Mode of Action
- Fast Acting, Best-in-Class Control
- Low Dose Rates
- Total Knockdown

Broflanilide is the first member of the new Insecticide Resistance Action Committee (IRAC) Group 30. There is no known cross-resistance with existing modes of action currently available in the market.

NOTHING COMPARES

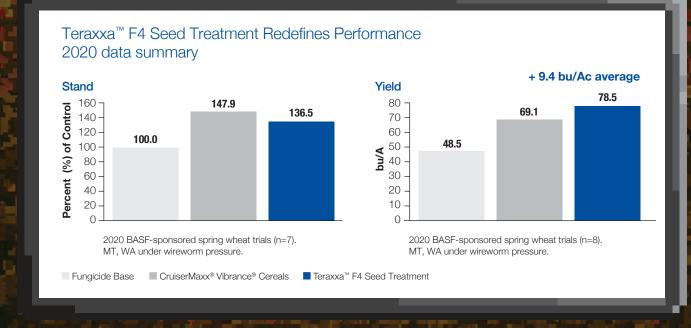
Existing neonicotinoid or diamide treated seeds simply can't compare to the efficacy of Teraxxa™ Seed Treatment.

THE OLD TOOLS (NEONICOTINOIDS & DIAMIDES)

- Can't control/eliminate or reducewireworm populations
- Intoxicate wireworms to deter them from feeding, but don't prevent recovery
- Wireworms can develop resistance to neonicotinoid insecticides and continue returning

THE NEW TOOL (TERAXXA)

- Actively eliminates wireworms
- Only active ingredient that eliminates and prevents wireworms from further feeding on seed
- Studies have shown 80%-90% reduction in resident wireworm populations between seasons⁴
- Can lead to up to a 33% increase in yield potential when used with a neonic⁵



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USE RATE

Teraxxa[™] Seed Treatment

0.26 fl oz/cwt

Teraxxa[™] F4 Seed Treatment

4.6 fl oz/cwt

COMPATIBILITY

Teraxxa Seed Treatment and Teraxxa F4 Seed Treatment are designed to be highly compatible with fungicides and other insecticides, making them a well-suited tank mix partner.

ACTIVE INGREDIENTS

- Broflanilide
- Triticonazole
- Metalaxyl
- Fluxapyroxad
- Pyraclostrobin

TARGET PESTS

- Wireworms
- Fusarium
- Rhizoctonia
- Common Root Rot
- Smuts and Bunts
- Pythium

REFERENCES

- 1. Source: Agri-Facts, Alberta Government, 2014
- 2. 2018-2019 Reddy Montana State Study
- 3. Grower-applied Research Authorization Trials, 2019-2020
- 4. Data collected from 2-year wireworm field trials conducted by Washington State University
- 5. 2015-2018 U.S. field trials (WA, MT, ND, ID)







ARE YOU READY?



See how good it feels to finally eliminate wireworms. Play **TERAXXA**, the awesome arcade game that lets you experience wireworm-whacking joy right away.

CPLAY NOW! Or go to Teraxxa-Wins.com

Teraxxa™
Seed Treatment

Teraxxa[™] F4



