Pattern Ag

Predict your risk from foliar disease next season.

Boost yield and optimize input costs with predictive hybrid selection and precision scouting.

Pattern Ag focuses on maximizing your crop success through predictive analytics. **We are introducing 10 new corn and soybean diseases to our dashboard** to help you make better hybrid selections, give you insights into at-risk fields for in-season scouting, and save $30+/ac when spraying isn't needed.

KEY BENEFITS

- You can optimize your hybrid selection and avoid planting into at-risk fields.
- These results will allow you to predictively and precisely scout based on fields with the highest risk.
- Helps you avoid yield loss while saving $30/ac when spraying is not needed.

CORN DISEASES

- Tar Spot
- Goss' Wilt
- Grey Leaf Spot
- Northern Corn Leaf Blight
- Bacterial Leaf Streak of Corn
- Diplodia Ear Rot

SOYBEAN DISEASES

- Cercospora Blight of Soybean
- Charcoal Rot
- Frogeye Leaf Spot
- Anthracnose of Soybean

FREQUENLY ASKED QUESTIONS

How will these new analytics impact the information I already receive from my Complete Bio?

By knowing which pathogens you may face, you can select hybrids that prevent or minimize effects on your crop, reducing the risk of yield loss.

I'm still planning on scouting my field in-season. How will this help me?

By knowing which fields are at risk ahead of the season, you'll be able to scout for those signs and symptoms during the season and apply the correct fungicides or other treatments to mitigate the disease.

Will these analytics show low, medium, and high-risk levels like the other analytics on my dashboard?

Unlike the other pathogens, our results for these diseases will be displayed as present (red) or not present (green). Interpretation should be on the field level, as these pathogens can be very mobile in a field if the right weather conditions occur.

How can this new information help me further optimize my inputs?

By knowing which disease your crop has tested positive for, you can apply the correct fungicide for that disease and give you a targeted approach to minimize unnecessary applications.

CROP PROTECTION NETWORK
A Product of Land Grant Universities

Fungicide mode of action groups:
Group 11 QoI Strobilurins
Group 3 DMI Triazoles
Group 7 SDHI

Efficacy categories:
NR=Not Recommended; P=Poor; F=Fair; G=Good; VG=Very Good;
E=Excellent; NL=Not Labeled for use against this disease;
U =Unknown efficacy or insufficient data to rank product

Fungicide Efficacy for Control of Corn Diseases Table (04/2022)

Indicates product with mixed fungicide classes

Group	Active Ingredient (%)	Product/Trade name	Rate/A (fl oz)	Anthracnose leaf blight	Common rust	Eyespot	Gray leaf spot	Northern corn leaf blight	Southern rust	Tar spot[1]	Harvest restriction[2]
11	Azoxystrobin 22.9%	Quadris 2.08 SC, multiple generics	6.0 - 15.5	VG	E	VG	E	G	VG	NL	7 days
11	Pyraclostrobin 23.6%	Headline 2.09 EC/SC	6.0 - 12.0	VG	E	E	E	VG	VG	NL	7 days
11	Picoxystrobin	Aproach 2.08 SC	3.0 – 12.0	VG	VG-E	VG	F-VG	VG	G	G[3]	7 days
3	Flutriafol 20.9%	Xyway LFR 1.92 SC / Xyway 3D 2.5 SC	LFR: 7.6-15.2 / 3D: 5.8-11.8	NL	U	NL	G	VG	NL	NL	N/A
3	Propiconazole 41.8%	Tilt 3.6 EC, multiple generics	2.0 - 4.0	NL	VG	E	G	G	F	NL	30 days
3	Prothioconazole 41.0%	Proline 480 SC	5.7	U	VG	E	U	VG	G	NL	14 days
3	Tebuconazole 38.7%	Folicur 3.6 F, multiple generics	4.0 - 6.0	NL	U	NL	U	VG	F	NL	36 days
3	Tetraconazole 20.5%	Domark 230 ME	4.0 – 6.0	U	U	U	E	VG	G	G[3]	R3 (milk)
11 / 3	Azoxystrobin 13.5% / Propiconazole 11.7%	Quilt Xcel 2.2 SE, multiple generics	10.5 - 14.0	VG	VG-E	VG-E	E	VG	VG	NL	30 days
7 / 11 / 3	Benzovindiflupyr 2.9% / Azoxystrobin 10.5% / Propiconazole 11.9%	Trivapro 2.21 SE	13.7	U	U	U	E	VG	E	G-VG	30 days
3 / 11	Cyproconazole 7.17% / Picoxystrobin 17.94%	Aproach Prima 2.34 SC	3.4 – 6.8	U	U	U	E	VG	G	G-VG[3]	30 days
3 / 11	Flutriafol 19.3% / Fluoxastrobin 14.84%	Fortix 3.22 SC / Preemptor 3.22 SC	4.0 -6.0	U	U	U	E	VG	VG	G-VG[3]	R4 (dough)
3 / 7	Flutriafol 26.47% / Bixafen 15.55%	Lucento	3.0-5.5	U	U	U	VG-E	VG	VG	G[3]	R4
3 / 11	Flutriafol 18.63% / Azoxystrobin 25.30%	TopGuard EQ	5.0-7.0	U	F	U	VG	G-VG	G-VG	G-VG[3]	7 days
3 / 11	Mefentrifluconazole 17.56% / Pyraclostrobin 17.56%	Veltyma	7.0-10.0	U	U	U	VG-E	VG-E	VG	VG	21 days
3 / 11 / 7	Mefentrifluconazole 11.61% / Pyraclostrobin 15.49% / Fluxapyroxad 7.74%	Revytek	8.0-15.0	U	U	U	VG-E	VG-E	VG	VG	21 days
3 / 11	Prothioconazole 16.0% / Trifloxystrobin 13.7%	Delaro325 SC	8.0-12.0	VG	E	VG	E	VG	G-VG	G-VG	14 days
3 / 7 / 11	Prothioconazole 14.9% / Trifloxystrobin 13.1% / Fluopyram 10.9%	Delaro Complete 3.83 SC	8.0-12.0	U	U	U	E	VG	G-VG	VG	35 days
7 / 11 / 3	Pydiflumetofen 7.0% / Azoxystrobin 9.3% / Propiconazole 11.6%	Miravis Neo 2.5 SE	13.7	U	U	U	E	VG-E	VG	G-VG	30 days
11 / 7	Pyraclostrobin 28.58% / Fluxapyroxad 14.33%	Priaxor 4.17 SC	4.0 – 8.0	U	VG	U	VG	VG-E	VG	G-VG	21 days
11 / 3	Pyraclostrobin 13.6% / Metconazole 5.1%	Headline AMP 1.68 SC	10.0 - 14.4	U	E	E	E	VG	G	G-VG	20 days
11 / 3	Trifloxystrobin 32.3% / Prothioconazole 10.8%	Stratego YLD 4.18 SC	4.0 - 5.0	VG	E	VG	E	VG	G	NL	14 days
3 / 11	Tetraconazole 7.48% / Azoxystrobin 9.35%	Affiance 1.5 SC	10.0-14.0	U	G-VG	U	G-VG	G-VG	G	G[3]	7 days

[1] Fungicide application timing is extremely important and needs to be made near the onset of the tar spot symptoms. Efficacy ratings based on limited site locations from 2018 to 2021. [2] Harvest restrictions are listed for field corn harvested for grain. Restrictions may vary for other types of corn (sweet, seed, or popcorn, etc.), and corn for other uses such as forage or fodder. [3] A 2ee label is available for several fungicides for control of tar spot, however efficacy data are limited. Check 2ee labels carefully, as not all products have 2ee labels in all states. This information is provided only as a guide. It is the applicator's legal responsibility to read and follow all current label directions. Reference in this publication to any specific commercial product is for general information only and does not constitute an endorsement or recommendation by the CDWG. Individuals using such products assume responsibility for their use in accordance with current directions of the manufacturer. Members or participants in the CDWG assume no liability resulting from the use of these products.

Chart courtesy of The Crop Protection Network. https://cropprotectionnetwork.org/