

GENERAL

# Wheat Foliar Fungicides

	PRODUCT/ RATE PER ACRE	REMARKS
CORN	Caramba 10-14 oz.	Excellent suppression of Fusarium Head Blight applied at 10.5.1 Apply by ground or air. 30 day PHI.
	Headline 6-9 oz.	Apply before the onset of disease up to beginning of flowering (Feekes 10.5) for control of Rust, Powdery mildew, Septoria leaf and glume blotch, Stem rust, Stripe rust and Tan spot. Do not harvest wheat hay within 14 days after last application.
SORGHUM	Proline 480SC 4.3-5.7 oz.	Excellent suppression of Fusarium Head Blight: Apply at Feekes 10.4-10.5.2. When at least 75% of wheat heads are fully emerged to when 50% of the heads are in flower. Optimal timing of application may be at or around 15% flower (Feekes 10.5.1). Leaf and stem diseases, apply when the earliest disease symptoms appear. Do not apply within 30 days of harvest. A maximum of 9.37 oz/A may be applied per year through 2 applications.
	Quadris 6.2-10.8 oz.	Do not apply until after forage stage (Feekes 6). Do not apply after late head emergence (Feekes 10.5). Do not apply within 14 days of harvest for hay or 45 days for grain. A COC may be added at 1% v/v to optimize efficacy. For the control of Leaf rust, Stripe rust, Stem rust, Septoria leaf blotch and Glume blotch.
SOYBEANS	Quadris 7.7-10.8 oz.	Do not apply until after forage stage (Feekes 6). Do not apply after late head emergence (Feekes 10.5). Do not apply within 14 days of harvest for hay or 45 days for grain. A COC may be added at 1% v/v to optimize efficacy. For control of Powdery mildew.
	Quilt 14 oz.	May be applied up to Feekes growth stage 9 to control rust, powdery mildew, leaf blight, glume blotch, tan spot and helminthosporium leaf spot. Do not apply within 45 days of harvest for grain and straw. Do not graze or feed livestock treated forage or cut greenchop for hay or silage.
	Stratego 10 oz.	Do not apply after Feekes growth stage 10.5, full head emergence. Do not apply within 35 days of harvest. For control of Glume blotch, Leaf blight, Powdery mildew, Rust's and Tan spot.
COTTON	Tilt/Bumper 41.8 EC 4 oz.	Single application at stage 8. Use 15 gallons of water by ground and five gallons by air. Very good control of powdery mildew and leaf rust. Good control of septoria diseases. Fair control of tan spot.
	Twinline 7-9 oz.	Spray by ground or air. 30 day PHI. Do not apply later than Feekes 10.5. Controls powdery mildew, rust, septoria, and tan spot.

RICE

FORAGES

SMALL GRAINS

LAWN &amp; GARDEN

SEED

FERTILIZER

# Small Grain Herbicides

PRODUCT	RATE/ACRE	REMARKS
2, 4-D Amine Weed Killer	1.5 pts.	Controls broadleaf weeds. Use at full tiller to joint stage. Do not forage or graze within 14 days of application. For preharvest, treat when grain is in the hard dough stage.
2, 4-D LOV	1.0 pts.	Controls broadleaf weeds. Use at full tiller to joint stage. Do not forage or graze within 14 days of application. For preharvest, treat when grain is in the hard dough stage.
Aim EC	0.5-1.9 oz.	May be used in tank mix combinations. Adds tansymustard, nightshade, and pennycress control. Aids in kochia, bindweed, and Russian thistle control.
Buctril 2EC	1.5-2.0 pts.	Apply to annual broadleaf weeds 2-6 inches tall or 1.5-3 inches diameter in rosette. Treat crop from emergence to boot stage. Can be tank mixed with 2,4-D or liquid fertilizer. When using Buctril Gel: Buctril Gel comes in water soluble bags and is twice as concentrated as Buctril 2EC. A .5 pint of Buctril Gel equals 1 pint of Buctril 2EC.
Clarity	0.25 pt.	Controls broadleaf weeds. For garlic control in wheat, tank mix 1 to 1.5 pts. 2,4-D LOV Weed Killer.
Harmony Extra with Total Sol	0.75-0.9 oz.	Controls wild garlic and broadleaf weeds. Add one qt. surfactant per 100 gallons water. Make applications after the crop is in the 2-leaf stage, but before the flag leaf is visible. Control early when small, less competitive to wheat to reduce competition between wheat and winter annuals.
Harmony GT	0.5-0.6 oz.	Add one qt. NIS per 100 gallons of water. Apply after the crop is in the 2-leaf stage, but before the flag leaf is visible.
Hi-Dep	1.0-1.5 pts.	Controls hard to kill broadleaf weeds. Spray after tillering and before the boot stage. Preharvest treatment of 2pt./acre may be applied after the grain is in the dough stage.
Olympus	0.6-0.9 oz.	Offers post emergence control of grass weeds including cheat, downy brome and wild oat as well as a number of broadleaf weeds. Adjuvant needed is NIS at 0.25% V/V. Liquid fertilizer can be used as the carrier, however should not exceed 50% liquid nitrogen and not exceed more than 30 pounds of actual N per acre.
Olympus Flex	3.0-3.5 oz	Olympus Flex is a tank mix of Olympus and Osprey. Olympus Flex offers post emergence control of grass weeds including cheat, downy brome, wild oat, and Italian ryegrass plus other winter annual broadleaf weeds. Adjuvants needed include 0.25% v/v of NIS + spray grade ammonium nitrogen fertilizer (1-2qt of 28% or 1.5 -3 lb AMS) or MSO at 1.5 pt with No other additives.
Osprey	3.2-4.75 oz.	Offers broad spectrum grass control including Italian Ryegrass, wild oats (including ACC-ase resistant) and suppression of Brome species with rotational flexibility in winter wheat. Adjuvants needed include 0.25% V/V of NIS + spray grade ammonium nitrogen fertilizer (1-2 qt. of 28% or 1.5-3 lb. AMS) or MSO at 1.5 pt. with NO other additives.
PowerFlex	3.5 oz.	Controls Downy brome, Italian ryegrass and other label broadleaf weeds. It has a 9 month rotational restriction for alfalfa, corn, sorghum, sunflower, and soybeans. Always use NIS at 0.25% v/v with spray solution. Fall application is preferred, spray from 3-leaf to joint wheat stage.
Peak	0.5 oz.	Controls wild garlic and broadleaf weeds. Apply postemergence from the 3-leaf stage to before second node is detectable. Check label for additive selection.
Sencor DF/Metribuzin	0.33-0.67 lbs.	Controls broadleaf weeds and some annual grasses. Check label for varieties it can be used on. For best results, apply before weeds are two inches tall. Spray in spring after wheat has tillered, but before jointing. (for wheat only).

GENERAL

CORN

SORGHUM

SOYBEANS

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN &amp; GARDEN

SEED

FERTILIZER

# Small Grain Insecticides

	PEST	PRODUCT	RATE/ACRE	REMARKS
CORN	Aphids	Baythroid XL	2.4 oz.	Apply as required by scouting.
		Cobalt	7-13 oz.	Harvest Interval 14 -28 days. Use only in states of AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, UT, WA, WY.
		Furadan 4F	0.5 pt.	Apply before heads emerge from boot. Harvest interval 21 days. Do not feed treated forage to livestock.
SORGHUM		Mustang Max EC	3.2-4.0 oz.	Apply as required by scouting.
		Silencer/Lambda Star	3.84 oz.	Harvest interval 30 days. For green bugs use the high rate. Only labeled for wheat, wheat hay or triticale.
		Warrior II	1.92 oz.	Harvest interval 30 days. For green bugs use the high rate.
SOYBEANS	Armyworms	Baythroid XL	2.4 oz.	Apply as required by scouting.
		Cobalt	13-25 oz.	Harvest Interval 14 -28 days. Use only in states of AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, UT, WA, WY.
		Mustang Max EC	1.76-4.0 oz.	Apply as required by scouting.
COTTON		Silencer/Lambda Star	2.56-3.84 oz.	Harvest interval 30 days. Also controls Fall Armyworm. Only labeled for wheat, wheat hay or triticale.
		Tracer 4SC	1.5-1.3 oz.	21 day harvest interval for grain, 14 for forage or hay.
		Warrior II	1.28-1.92 oz.	Harvest interval 30 days. Also controls Fall Armyworm.
RICE	Cereal leaf beetle	Baythroid XL	2.4 oz.	Apply as required by scouting.
		Cobalt	13-25 oz.	Harvest Interval 14 -28 days. Use only in states of AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, UT, WA, WY.
		Furadan 4F	0.5 pt.	Apply before heads emerge from boot. Harvest interval 21 days. Do not feed treated forage to livestock.
FORAGES		Mustang Max EC	3.2-4.0 oz.	Apply as required by scouting.
		Lorsban 4E/others	1-2 pt.	Supplemental label in AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, UT, WA, WY.
		Silencer/Lambda Star	2.56-3.84 oz.	Harvest interval 30 days. For greenbugs use the high rate. Only labeled for wheat, wheat hay or triticale.
SMALL GRAINS	Cutworms, Army cutworms	Tracer 4SC	1-3 oz.	21 day harvest interval for grain, 14 for forage or hay.
		Warrior II	1.28-1.92 oz.	Harvest interval 30 days
		Lorsban 4E/others	1.0 pt.	Lorsban 4E is labeled only for use in wheat in AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WY.
LAWN & GARDEN	Grasshoppers	Mustang Max EC	1.28-4.0 oz.	Apply as required by scouting.
		Silencer/Lambda Star	1.92-3.0 oz.	Harvest interval 30 days. Only labeled for wheat, wheat hay or triticale.
		Warrior II	1-1.6 oz.	Harvest interval 30 days.
SEED		Baythroid XL	2.4 oz.	Apply as required by scouting.
		Cobalt	7-13 oz.	Harvest Interval 14 -28 days. Use only in states of AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, UT, WA, WY.
		Furadan 4F	0.25-0.5 pt.	Spray. Apply before heads emerge from boot stage.
FERTILIZER		Lorsban 4E/others	.5-1.0 pt.	Lorsban 4E is labeled only for use in wheat in AZ, CA, CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA and WY.
		Mustang Max EC	3.2-4.0 oz.	Apply as required by scouting.
		Silencer/Lambda Star	2.56-3.84 oz.	Harvest interval 30 days. Only labeled for wheat, wheat hay or triticale.
		Warrior II	1.28-1.92 oz.	Harvest interval 30 days.