

Cotton Herbicide Performance

GRASSES AND NUTSEDGE

Key:

P=Less than 65%

F=65-79%

G=80-89%

E=90% or better

TOLERANCE
BARNYARDGRASS
BERMUDAGRASS
B.L. SIGNALGRASS
CRABGRASS
F. PANICUM
FOXTAILS
GOOSEGRASS
SEEDLING JOHNSONGRASS
RHIZOME JOHNSONGRASS
YELLOW NUTSEDGE

PREPLANT INCORPORATED												
Prowl/others	G	E	P	E	E	E	E	E	E	E	P	P
Treflan/others	G	E	P	E	E	E	E	E	E	E	P	P
PREEMERGENCE												
Cotoran/Meturon	G	F	P	G	E	G	G	G	F	P	P	P
Direx/others	G/F	F	P	G	E	G	G	G	F	P	P	P
Dual Magnum/others	G	G	P	G	G	G	G	G	F	P	G	G
Prowl/others	G/F	G	P	G	G	G	G	G	G	P	P	P
Staple	G	P	P	P	P	P	P	P	P	P	F	F
POSTEMERGENCE - DIRECTED												
Direx/others	G/F	F	P	F	F	F	F	F	F	P	P	P
DSMA/MSMA	G/F	G	P	G	G	G	G	P	G	F	F	F
Goal	F	P	P	P	P	P	P	P	P	P	F	F
Glyphosate (RR only)	G/F	E	E	E	E	E	E	E	E	E	E	P
POSTEMERGENCE - OVERTOP												
Assure II	E	E	G	E	E	E	E	E	E	E	E	P
Envoke	G/F	F	P	F	P	P	P	P	F	P	G	G
Glyphosate (RR only)	G/F	E	E	E	E	E	E	E	E	E	E	P
Ignite (LL only)	G	G	P	G	G	G	E	G	E	F	P	P
Poast Plus	E	E	F	E	E	E	E	E	E	G	P	P
Select Max/Arrow	E	G	E	E	E	E	E	E	E	E	E	P
Staple	G	P	P	P	P	P	P	P	P	P	F	F

GENERAL

CORN

SORGHUM

SOYBEANS

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER

GENERAL

Cotton Herbicide Performance

BROADLEAVES

Key:

P=Less than 65%

F=65-79%

G=80-89%

E=90% or better

TOLERANCE
COCKLEBUR
JIMSONWEED
HEMP SESBANIA
H. COPPERLEAF
C. LAMBSQUARTER
MORNINGGLORY'S
PIGWEEDES
PALMER AMARANTH
PRICKLY SIDA
PURSLANE
C. RAGWEED
SMARTWEED
SPOTTED SPURGE
SPURRED ANODA
VELVETLEAF

	PREPLANT INCORPORATED																
	Prowl/others	G	P	P	P	P	G	P	E	G	P	E	P	P	P	P	P
	Treflan/others	G	P	P	P	P	G	P	E	G	P	E	P	P	P	P	P
	PREEMERGENCE																
	Cotoran/Meturon	G	F	F	F	E	E	F	E	F	G	E	E	F	P	F	P
	Direx/others	G/F	F	F	P	E	E	F	E	G	F	E	G	F	F	P	P
	Dual II Magnum	G	P	P	P	P	F	P	G	G	P	P	P	P	F	P	P
	Prowl/others	G/F	P	P	P	P	G	P	E	F	F	E	P	P	P	P	F
	Staple	G	P	F	P	P	F	F	E	G	E	P	P	F	E	E	E
	POSTEMERGENCE - DIRECTED																
	AIM EC	F	G	E	E	E	E	E	E	G	G	E	F	E	G	F	E
	Caparol	F	G	E	F	G	G	F	G	G	F	F	F	F	P	F	F
	Cobra	F	G	G	G	E	P	G	E	F	G	E	G	F	G	F	G
	Cotoran	G/F	G	E	F	G	G	F	G	G	F	F	F	F	P	F	F
	Direx/others	G/F	F	E	P	G	G	F	G	F	F	F	F	F	G	F	F
	DSMA/MSMA	G/F	E	P	P	P	F	P	P	P	P	P	P	P	P	P	P
	Glyphosate (RR only)	E	E	E	P	G	E	F	E	E	G	E	G	F	E	G	G
	Goal 2XL	F	G	E	G	E	E	E	E	F	G	E	E	E	F	P	P
	Reflex	F	G	E	E	E	E	E	E	E	E	E	G	E	E	F	F
	Valor	F	G	E	F	E	E	G	E	E	G	E	G	E	F	F	F
	POSTEMERGENCE - OVERTOP																
	Envoke	G/F	G	F	G	F	G	G	G	F	P	P	G	P	P	P	P
	Glyphosate (RR only)	G/F	E	E	P	F	F	F	E	G	F	G	E	P	G	G	F
	Ignite (LL only)	G	G	G	G	G	G	G	E	G	E	F	E	E	F	G	G
	Staple	G	F	G	G	P	P	F	E	G	F	F	F	F	P	G	E

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER

Cotton Herbicides

PRE-PLANT BURNDOWN

PRODUCT	RATE PER ACRE	REMARKS
Aim EC	0.5-1.9 oz.	Not intended as stand alone treatment. Tank mix with glyphosate or Gramoxone Max.
Glyphosate	1-4 pts.	Broad-spectrum control of grasses and broadleaf weeds. Depending on formulation, may use 1-2 qts. NIS and 8.5-17 lbs. AMS per 100 gallons.
Gramoxone Inteon	2.5-3.5 pts.	Controls emerged grasses and broadleaf weeds prior to crop emergence. Consult label for specific rates and timing. Always add either Crop Oil 1 gallon per 100 gallons of mix, MSO at 1 gallon per 100 gallons of mix, or non-ionic surfactant at 1 qt./100 gallons of mix. Gramoxone is a contact herbicide so it is essential to obtain complete coverage of weeds to maximize control.
Harmony Extra w/Total Sol	0.45-0.75 oz.	Controls smartweed and dock. Tank mix with GramoxoneMax or glyphosate products. Do not apply within 14 days of planting.
MSMA 6L	2.7 pts.	Apply once to emerged weeds. Activity decreases when daytime temperatures are below 70 degrees F.
Paraquat/Others	1.7-2.7 pts.	Controls annual and winter broadleaf and grassy weeds.
Valor	1-1.5 oz.	Do not apply 14 days of planting at the 1 oz. rate and 21 days of planting at the 1.5 oz rate.

Cotton Herbicides

PRE-PLANT INCORPORATED/PRE-EMERGENT

PRODUCT	RATE PER ACRE	SOIL TYPE	REMARKS
Caparol 4L/others	3.2-4.0 pts.	Sandy loam	Controls broadleaf weeds and grasses. Can be incorporated. Check label for recommended rates and soil texture. Can use up to 5.6 pts. on Sharkey Clay soils in Arkansas. Do not use on glandless cotton varieties.
	4.8 pts.	Silt+Clay loam	
Cotoran 4L/others	2-4 pts.	All types	Controls annual grasses and broadleaf weeds. Use lower rate on low organic matter coarse textured soils. The use rates for Cotoran DF are 1.2-2.4 lbs.
Direx 4L/others	Do not use	Coarse	Avoid tillage after application. Crop injury may occur when in-furrow, organophosphate insecticides have been used.
	0.8-1.0 qt.	Medium	
	1.6 qts.	Fine	
Direx 80DF/ Karmex/others	Do not use	Coarse	Avoid tillage after application. Crop injury may occur when in-furrow, organophosphate insecticides have been used.
	1-1.25 lbs.	Medium	
	2 lbs.	Fine	
Dual Magnum/ others	0.5-1 pt.	Sandy Loam	Controls annual grasses, yellow nutsedge and small seeded broadleaf weeds. May be tank mixed with all other labeled pre-emergent herbicides.
	0.66-1.33 pts.	Medium	
	1.0-1.33 pts.	Fine	
Prowl 3.3EC/ others	1.2-1.8 pts.	Coarse	Controls annual grasses and some broadleaf weeds. Check label for increasing rates if applying no-till. May tank mix with Cotoran or Caparol.
	1.8-2.4 pts.	Medium	
	2.4-3.6 pts.	Fine	
Prowl H2O	1-2 pt.	Coarse	Controls annual grasses and some broadleaf weeds. Check label for increasing rates if applying no-till. May tank mix with Cotoran or Caparol.
	2-3 pt.	Medium	
	3-4 pt.	Fine	
Sequence	Do not use	Course	Do not incorporate. May be tank mixed with several other preplant/pre-emergent cotton herbicides.
	2.5 pts.	Medium	
	2.5-3.5 pts.	Fine	
Staple LX	1.3-2.1oz.	Medium/Fine	Provides good control of some broadleaf weeds, but poor control of cocklebur and morningglory. Can be applied in combination with Diuron.
Treflan TR-10	5 lbs.	Coarse	See label for fall rates.
	6.25-7.5 lbs.	Medium	
	7.5-10 lbs.	Fine	
Trifluralin	1.0 pt.	Coarse	Controls annual grasses and some broadleaf weeds. Must be incorporated twice: first time within 24 hours after application. Can be applied during autumn, see label for rates.
	1.25 pts.	Medium	
	1.5-2.0 pts.	Fine	

GENERAL

CORN

SORGHUM

SOYBEANS

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER

GENERAL

Cotton Herbicides

POST-EMERGENT BROADCAST OVER-THE-TOP

CORN

SORGHUM

SOYBEANS

COTTON

PRODUCT	RATE PER ACRE	REMARKS
Arrow	6-16 oz.	Controls annual and perennial grasses. Do not apply within 60 days of harvest. Add 1 gallon of COC per 100 gallons of water but not less than 1 pt. per acre. A spray grade AMS may be added. Check label for tank mix partner.
Assure II	5-12 oz.	Controls annual and perennial grasses. See label for specific weeds and rates. Add 1 qt. NIS or 1 gal. COC per 100 gallons of spray solution. Do not cultivate within 7 days before or after application. 80 day harvest interval.
Dual Magnum/ others	0.5-1.33 pts.	Rate depends upon soil texture. See label for appropriate rates. Apply over the top to 3"-12" tall cotton. Controls annual grasses, yellow nutsedge and small seeded broadleaf weeds. Needs rainfall for activation. Do not tank mix with Staple LX.
Envoke	0.10-0.15 oz.	Do not apply until cotton has reached 5 true leaves. Use with a quality NIS only. Do not tank mix with any other herbicide, fertilizer or additive.
Fusion	6-12 oz.	Controls annual and perennial grasses. See label for specific weeds and rates. Add 2-4 qts. COC or 1 qt. NIS per 100 gallons of spray solution.
Poast Plus	12-48 oz.	Controls annual and perennial grasses. See label for specific weeds and rates. Add 1 qt. COC per acre. 40 day harvest interval. Application rate is 1-2 pts. for Poast herbicide.
SelectMax	9-32 oz.	Controls annual and perennial grasses. Do not apply within 60 days of harvest. Add NIS at 0.25% v/v or Add 1 gallon of COC per 100 gallons of water but not less than 1 pt. per acre. Check label for tank mix partner.
Staple LX	2.6-3.8 oz.	Controls broadleaf weeds. Add 1 qt. NIS per 100 gallons of spray solution. Apply to young actively growing weeds based on the weed height on the label. May be tank mixed with glyphosate for use in transgenic varieties.

Cotton Herbicides

POST EMERGENT HERBICIDE-RESISTANT

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER

PRODUCT	RATE PER ACRE	REMARKS
Glyphosate	1.5-2 pts.	ROUNDUP READY COTTON ONLY. Apply one or more times up to the 5-leaf stage. After the 5-leaf stage, apply as a directed spray, without contacting cotton stems or leaves. Use rates and surfactants based upon formulation and specific label recommendations.
Ignite	32-40 oz.	LIBERTY LINK COTTON ONLY. Can be applied as a broadcast, over-the-top, post-emergence or directed spray. Do not exceed 40 oz. per application or 80 oz. per season per acre. Do not apply within 70 days of harvest.
Roundup PowerMAX/ Roundup WeatherMAX	16-32 oz.	ROUNDUP READY FLEX COTTON ONLY. To maximize yield potential, spray early to eliminate competing weeds. The combined total per year for all applications is 5.3 quarts per acre. A total in-crop application from ground cracking to 60 percent open bolls is 4 quarts per acre. Maximum allowed from 60 percent bolls open to 7 days prior to harvest is 44 oz. per acre. This product may be applied by ground application equipment at rates up to 32 oz. per acre per application post-emergence. In crop applications above 22 oz. per acre or with the addition of other crop chemical products containing surfactants may cause a crop response including leaf speckling and necrosis. Do not apply more than 22 oz. per acre per application by air. Drift from applications made to Roundup Ready Flex cotton onto adjacent fields post 4-leaf (node) Roundup Ready Cotton may cause extensive injury including boll loss, delayed maturity and/or yield loss.
Sequence	2.5 pts.	ROUNDUP READY COTTON ONLY. Make postemergence over-the-top applications from 3-inch tall up to the 4-leaf cotton stage cotton and do not exceed 2.5 pts. per application or 3.5 pt. per season. Can apply post directed through the layby period.

Cotton Herbicides

POST-EMERGENT DIRECTED SPRAY

PRODUCT	RATE PER ACRE	REMARKS
Aim EC	0.8-1.6 oz.	Apply as a directed spray, hooded/shielded spray or lay-by treatment. Do not allow spray solution to contact cotton foliage or green stem tissue. Refer to label for specific uses directions. Requires good coverage.
Caparol 4L/others	1.0-1.3 pts.	RATE LISTED FOR 3"-6" COTTON. See label for higher rates on 6"-12" or > 12" tall cotton. Controls emerged annual grasses and broadleaf weeds. Tank mix with other labeled post-direct herbicides.
Cobra	12.5 oz.	USE ONLY AS A POST DIRECTED SPRAY. Cotton plant must be at least 6" tall. When 6" tall use COC at 0.5 to 1 pt. per acre or NIS at 2 pts. per 100 gallons of water. When cotton is taller than 12 inches use COC at 1 to 2 pts. per acre. May tank mix with Karmex or MSMA. Check label for rates.
Cotoran 4L/others	2-4 pts.	Apply to cotton between 3" tall and 1st. bloom. Do not allow spray to contact terminal. Use 2 qts. NIS per 100 gallons of spray solution. May tank mix with MSMA or DSMA. Application rate for Cotoran DF is 1.2-2.4 lbs.
Direx 4L/others	0.4-0.6 qts.	USE ONLY AS POST-DIRECTED SPRAY. Cotton plant must be at least 6" or greater and weeds do not exceed 2" in height. Check label for appropriate tank mix partners.
Direx 80DF/ Karmex/others	0.25-0.5 lbs.	USE ONLY AS POST-DIRECTED SPRAY. Cotton plant must be 6" or greater and weeds do not exceed 2" in height. Check label for appropriate tank mix partners.
DSMA	Many formulations	Check label for formulation specific rate. Apply after cotton is 3" tall through 1st. bloom. Use a NIS or a DSMA containing surfactant.
Dual Magnum/ others	0.5-1.33 pts.	Rate depends upon soil texture. See label for appropriate rates. Apply post direct to cotton 3" through lay-by. Controls annual grasses, yellow nutsedge and small seeded broadleaf weeds. Needs rainfall for activation. Do not tank mix with Staple LX.
Envoke	0.10-0.25 oz.	Apply from once cotton is tall enough to adequately receive postdirect application to 60 days prior to harvest. Apply with an NIS or COC.
Goal 2XL	1-2 pts.	Apply after cotton height exceeds 6". Apply at 20-25 psi using 20 to 40 gpa spray volume. It is preferable to use shields. Do not apply within 90 days of harvest. Use rate for Goal 1.6E is 1.25 to 2.50 pts.
Layby Pro	1.0-2.4 pts.	USE ONLY AS A POST-DIRECTED SPRAY. Rates depend upon weed height, cotton height and soil type. When cotton is less than 12" inches tall use NIS. When cotton is greater than 12 inches tall use NIS or COC.
MSMA	Many formulations	Check label for formulation specific rate. Apply after cotton is 3" high through 1st bloom. Use a NIS or a MSMA containing surfactant.
Prowl 3.3EC/ others	1.2-3.6 pts.	Layby application at last cultivation. Rate based upon soil texture. Total seasonal rate cannot exceed highest labeled rate for a given soil type. Avoid contact with non-woody cotton stems and leaves. Can be tank mixed with other herbicides labeled for layby application.
Prowl H2O	1-4 pt.	Layby application at last cultivation. Rate based upon soil texture. Total seasonal rate cannot exceed highest labeled rate for a given soil type. Avoid contact with non-woody cotton stems and leaves. Can be tank mixed with other herbicides labeled for layby application.
Reflex	1-1.5 pts.	May be tank mixed with several other post-direct herbicides. Cotton must be at least 6" tall. Use NIS at 0.255 to 0.5% v/v or COC at 1% v/v on emerged weeds.
Suprend	1.0-1.5 lbs.	USE ONLY AS A POST-DIRECTED SPRAY. Do not exceed a total of 2.7 pounds per acre per year. Do not apply within 60 days of harvest.
Valor	2 oz.	Cotton must be at least 6" tall. Do not exceed a total of 4 oz per acre per year. Do not make sequential applications within 30 days of first Valor application. Use NIS as only approved spray additive. Do not allow spray solution or drift to come into contact with cotton or severe injury will occur.

GENERAL

CORN

SORGHUM

SOYBEANS

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER

Cotton Insecticides

	PEST	PRODUCT	RATE/ACRE	REMARKS
CORN	Armyworms	Acephate 90S	1.0 lb.	Spray when insects first appear. Respray if necessary.
		Baythroid XL	3.2 oz.	Spray when needed. May need to respray.
		Brigade 2EC/others	3.8-6.8 oz.	Spray when needed.
		Cobalt	19-38 oz	Spray when needed. Harvest interval 21 days. No more than 3 applications per season.
SORGHUM		Curacron 8E	.75-1 pts.	Spray when young larvae first appear feeding on leaf surfaces.
		Denim	2.6-6.4 oz.	Spray when needed.
		Dimilin 2L	4-8 oz.	Spray as needed. Use 1-2 qts. COC if conditions are favorable for water evaporation.
SOYBEANS		Endigo	3.5-5.5 oz.	Spray when needed. 21 day PHI. Do not graze livestock to treated fields.
		Intrepid	4-10 oz.	Apply at egg hatch or 1st sign of feeding.
		Karate Z/others	1.6-2.56 oz.	Spray as needed. Most effective against 1st and 2nd instar larva.
		Lannate LV	1.5 pts.	Spray when needed. May redden cotton.
		Larvin 3.2	24-36 oz.	Spray when needed. May also be used to control beet armyworm.
		Lorsban 4E/others	1.0-2.0 pt.	Spray when needed. For control of beet armyworm use 1.5-2.0 pts. per acre.
		Mustang Max EC	2.64-3.6 oz.	Spray when young larvae first appear feeding at leaf surfaces.
		Respect	2.64-3.6 oz.	Spray when young larvae first appear feeding at leaf surfaces.
		Steward	9.2-11.3 oz.	Spray when needed.
		Tracer	2.14-2.90 oz.	Spray when needed.
COTTON		Warrior II	1.6-2.56 oz.	Spray when needed. Most effective against 1st and 2nd instar larvae.
		Asana XL	5.8-9.6 oz.	Spray when weevil populations are threatening. Repeat if needed 3-5 days apart.
		Baythroid XL	1.6-2.6 oz.	Spray when weevil populations are threatening. Repeat if needed 3-5 days apart.
		Bidrin	4-8 oz.	Spray when needed.
RICE	Boll Weevil	Brigade 2EC/others	2.6-6.4 oz.	Spray when weevil populations are threatening. Repeat if needed 3-4 days apart.
		Dimilin 2L	4-8 oz.	Apply as needed. Use 1-2 qts. COC if conditions are favorable for water evaporation. Use 2-4 oz. rate on late season cotton to reduce overwintering weevil population.
FORAGES		Endigo	3.5-5.5 oz.	Spray when needed. 21 day PHI. Do not graze livestock to treated fields.
		Guthion 2L	0.5-1.0 pt.	Follow trapping and scouting information for when to spray.
		Karate Z/others	1.6-2.56 oz.	Spray when needed. If necessary, respray in 3-5 days.
SMALL GRAINS		Leverage	3.75 oz.	Spray when needed.
		Malathion 5EC	2-4 pts.	Spray when needed.
		Methyl Parathion 4EC	0.5-1.0 pt.	Follow trapping and scouting information for when to spray.
		Mustang Max EC	2.64-3.6 oz.	Spray when weevil populations are threatening. Repeat if needed 3 to 4 days apart.
LAWN & GARDEN		Respect	2.64-3.6 oz.	Spray when weevil populations are threatening. Repeat if needed 3 to 4 days apart.
		Vydate C-LV	4.25-8.5 oz.	Spray when weevil populations are threatening. Repeat if needed.
		Warrior II	1.6-2.56 oz.	Spray when needed. If necessary, respray in 3-5 days.
SEED				
FERTILIZER				

Cotton Insecticides

PEST	PRODUCT	RATE/ACRE	REMARKS
Bollworm/Tobacco Budworm	Acephate 90S	0.5-1.0 lbs.	Apply when eggs first appear and repeat at 3 to 7 day intervals.
	Asana XL	5.8-9.6 oz.	Spray when needed.
	Baythroid XL	1.6-2.6 oz.	Spray when needed
	Brigade 2EC/others	2.6-6.4 oz.	Spray when needed.
	Cobalt	19-38 oz	Spray when needed. Harvest interval 21 days. No more than 3 applications per season.
	Curacron 8E	0.75-1.0 pt.	Spray when needed.
	Danitol	10.67-16 oz.	Spray when needed.
	Denim	2.6-6.4 oz.	Spray when needed.
	Endigo	3.5-5.5 oz.	Spray when needed. 21 day PHI. Do not graze livestock to treated fields.
	Intruder	0.6-1.1 oz.	For use as an ovicide. Spray as needed.
	Karate Z/others	1.6-2.56 oz.	Spray when needed.
	Lannate LV	1.5 pts.	Spray when needed. May redden cotton.
	Larvin 3.2	24-36 oz.	Spray when needed.
	Leverage	3.75 oz.	Spray when needed.
	Lorsban 4E/others	1.5-2 pts.	Spray when needed.
	Mustang Max EC	2.64-3.6 oz.	Spray when needed.
	Respect	2.64-3.6 oz.	Spray when needed.
	Steward	11.3 oz.	Spray when needed. Time application to egg hatch through 1/8 inch larvae stage.
Tracer	1.4-2.9 oz.	Use higher rate for post bloom application. Target worms when majority of population is within the time of blackhead egg stage to 1/8 inch larvae egg stage.	
Warrior II	1.6-2.56 oz.	Spray when needed.	
Cotton Aphids	Acephate 90S	0.5-1.0 lbs.	Spray when needed. Will control pyrethroid susceptible Tobacco Budworm only.
	Baythroid XL	1.6-2.6 oz.	Spray when needed.
	Bidrin	1.6-8.0 oz.	Spray when needed. Use higher rates for late-season applications.
	Brigade 2EC/others	2.6-6.4 oz.	Spray when needed.
	Centric 40WG	2.0 oz.	Apply when aphid population begins to build. If necessary, reapply after 14 day interval. Add with NIS, COC or vegetable oil.
	Curacron 8E	0.5 pts.	Spray when needed.
	Dimethoate 4EC	0.25-0.5 pt.	Spray when needed. May repeat applications after 14 days.
	Endigo	3.5-5.5 oz.	Spray when needed. 21 day PHI. Do not graze livestock to treated fields. Low rate should not be used after first bloom or on rapidly increasing populations.
	Intruder	0.6-1.1 oz.	Spray when needed.
	Lannate LV	0.75 pt.	Spray when needed. May redden cotton.
	Leverage	3.0 oz.	Spray when needed.
	Lorsban 4E/others	0.5-2.0 pts.	Spray when needed.
	Monitor 4	0.2-0.4 pts.	Spray when needed. Late-season application rate is 1-2 pts.
	Temik 15G	3.5-5 lbs.	Apply in-furrow.
	Trimax Pro/others	.9-1.8 oz.	Spray when needed.

GENERAL

CORN

SORGHUM

SOYBEANS

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LAWN & GARDEN

SEED

FERTILIZER

Cotton Insecticides

	PEST	PRODUCT	RATE/ACRE	REMARKS	
CORN	Cotton Fleahopper	Acephate 90S	0.25 lbs.	Apply when insect first appear.	
		Baythroid XL	1.6-2.6 oz.	Spray when needed.	
		Bidrin	1.6-8.0 oz.	Spray when needed. Use higher rates for late-season applications.	
		Brigade 2EC/others	2.6-6.4 oz.	Spray when needed.	
SORGHUM		Cobalt	19-38 oz	Spray when needed. Harvest interval 21 days. No more than 3 applications per season.	
		Dimethoate 4EC	0.25-0.5 pts.	Spray when needed. May need repeat application after 14 days.	
		Endigo	3.5-5.5 oz.	Spray when needed. 21 day PHI. Do not graze livestock to treated fields.	
		Intruder	0.6-1.1 oz.	Spray when needed.	
		Karate Z/others	1.28-1.92 oz.	Spray when needed.	
		Leverage	3.0 oz.	Spray when needed.	
		Lorsban 4E/others	0.375-1.0 pt.	Spray when needed.	
SOYBEANS		Monitor 4	0.4 pts.	Spray when needed.	
		Mustang Max EC	2.64-3.6 oz.	Spray when needed.	
		Respect	2.64-3.6 oz.	Spray when needed.	
		Trimax Pro/others	.9-1.8 oz.	Spray when needed.	
COTTON		Warrior II	1.28-1.92 oz.	Spray when needed.	
		Cutworms	Acephate 90S	0.8 lbs.	Spray when insects first appear. Repeat if necessary.
			Asana XL	5.8-9.6 oz.	Spray when needed.
Baythroid XL	0.8-1.6 oz.		Spray when needed.		
Brigade 2EC/others	2.6-6.4 oz.		Spray when needed.		
Cobalt	19-38 oz		Spray when needed.		
Larvin 3.2	20-30 oz.		Spray when cutworms are actively feeding.		
Leverage	3.0 oz.		Spray when needed.		
Lorsban 4E/others	1.5-2.0 pts.		Spray when cutworms are active or near the soil surface.		
RICE			Mustang Max EC	1.28-1.92	Spray when needed. May be applied preemergent from 14 days prior to planting up to crop emergence as a broadcast spray, in-furrow treatment or behind the planter press wheel.
			Respect	1.28-1.92	Spray when needed. May be applied preemergent from 14 days prior to planting up to crop emergence as a broadcast spray, in-furrow treatment or behind the planter press wheel.
			Warrior II	1-1.28 oz.	Spray when needed.
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Cotton Insecticides

PEST	PRODUCT	RATE/ACRE	REMARKS
Plant Bugs	Acephate 90S	0.25-1.0 lbs.	Spray when insects first appear.
	Baythroid XL	1.6-2.6 oz.	Spray when needed.
	Bidrin	4-8 oz.	Spray when needed.
	Brigade 2EC/others	2.6-6.4 oz.	Spray when needed.
	Centric 40WG	2.0 oz.	Apply when local thresholds have been reached. Reapply as needed. Minimum 14-day reapplication interval.
	Cobalt	19-38 oz	Spray when needed. Harvest interval 21 days. No more than 3 applications per season.
	Curacron 8E	0.25-0.50 pts.	Apply at high rate for heavy population.
	Danitol 2.4	10.67-16 oz.	Spray when needed.
	Dimethoate 4EC	0.5 pts.	Spray when needed.
	Endigo	3.5-5.5 oz.	Spray when needed. 21 day PHI. Do not graze livestock to treated fields.
	Intruder	1.1 oz.	Spray when needed. Suppression only for Lygus species.
	Leverage	3.0 oz.	Spray when needed.
	Lorsban 4E/others	0.375-1.0 pt.	Spray when needed.
	Mustang Max EC	2.64-3.6 oz.	Spray when needed.
	Respect	2.64-3.6 oz.	Spray when needed.
	Steward	9.2-11.3 oz.	Spray when needed.
	Trimax Pro/others	.9-1.8 oz.	Spray when needed. Not affective on Lygus species.
Vydate C-LV	4.25-17.0 oz.	Spray when needed. Apply in 6-8 day intervals.	
Warrior II	1.28-1.92 oz.	Spray when needed.	
Spider Mites	Capture 2EC/others	3.8-6.4 oz.	Spray when mites first appear. Respray if needed.
	Curacron 8E	0.5-1 pt.	Spray when mites first appear. Respray at 5-7 day intervals if needed.
	Danitol	10.67-16 oz.	Spray when needed.
	Kelthane MF/others	1.5-3.0 pts.	Spray when mites first appear. Respray if needed.
	Monitor 4	1-2 pts.	Spray when needed.
	Zeal	.66-1 oz.	Spray when needed. Do not apply more than 1 oz per acre in a season.
	Zephyr/others	4-8 oz.	Apply when mites first appear and start to build. Rate depends upon cotton size. Coverage is critical. NIS or COC may be used.
Thrips	Acephate 90S	.55-1.1 lbs.	Spray when needed.
	Baythroid XL	0.8-1.6 oz.	Spray when needed.
	Bidrin	1.6-3.2 oz.	Spray when needed.
	Brigade 2EC/others	1.3-6.4 oz.	Spray when needed.
	Cobalt	19-38 oz	Spray when needed. Harvest interval 21 days. No more than 3 applications per season.
	Dimethoate 4EC	0.25-0.5 pt.	Spray when needed. May repeat applications after 14 days.
	Karate 2/others	0.96-1.28 oz.	Scout and spray when needed.
	Leverage	3.0 oz.	Spray when needed.
	Monitor 4	0.2-0.4 oz.	Spray when needed. Mid to late season application rate is 1-2 pts.
	Mustang Max EC	1.28-1.92 oz.	Spray when needed.
	Respect	1.28-1.92 oz.	Spray when needed.
	Temik 15G	3.5-5.0 lbs.	Apply in-furrow. Apply with an in-furrow fungicide.
	Thimet 20G	2.25-3.0 oz. per 1000 row ft.	Apply in-furrow at planting. 30-inch minimum cotton row spacing.
	Warrior II	1.92-2.56 oz.	Scout and spray when needed.

GENERAL

CORN

SORGHUM

SOYBEANS

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER