

**RICE INSECTICIDE PERFORMANCE RATING, 2023**

Insecticide	Chemistry	Restricted Entry Interval (hours)	Restricted Use (R)	Chinch Bug	Fall Armyworm	True Armyworm	Short Horned Grasshopper	Rice Stink Bug	Rice Water Weevil (adult)	Rice Water Weevil (egg)	Rice Water Weevil (larva)	Midge Larvae	Rice Stalk Borer	Aphids (Greenbug, Bird Oat Cherry Aphid)	Grape Colaspis	Billbug
Cruiser	NEO	12		6		2			6		7				8	3
Demacor X-100	DM	4	X	1	8	8			1		8		8		2	6
Fortenza	DM	12			8	8					8				3	6
NipsIt Inside	NEO	12		6					6		7				8	3
Belay	NEO	12		7					7					8		
Dimilin 2L	IGR	12	X						0	7				0		
Lambda-Cy/Warrior	SyP	24	X	7	6	8	7	5	7			6	5	8		
Malathion	OP	12		1	2	5	6	7						4		
Mustang Maxx	SyP	12	X	7	6	8	7	5	7				5	8		
Proaxis/Declare	SyP	24	X	7	6	8	7	5	7				5	8		
Tenchu	NEO	12			5			8								

**Rating Scale:** 0 = no control, 10 = excellent

The performance ratings in the chart are for comparison purposes only and are not necessarily a measure of percent control.

**QUICK VIEW THRESHOLD GUIDE**

Insect	Threshold	Scouting Procedure
Chinch Bug	Treat when bugs are causing plant injury and bugs are present.	Check seedling rice, particularly fields bordering wheat.
Fall Armyworm, True Armyworm	No treatment is warranted for rice between seedling and 2-3 tiller, unless armyworms are feeding on the growing point. For May and June plantings, armyworms should be treated when defoliation exceeds 40% at 5-6 tiller and 20% at green ring. Higher yield loss has been observed for later plantings. Late season, treat when armyworms are present and head cutting is occurring.	Early season watch rice bordering wheat for migration of true armyworms into field (damage can occur quickly when armyworms move in).
Grasshopper	Treat when damage is evident.	Watch field borders, particularly near grassy areas.
Greenbug	2 to 3 greenbugs per plant on 1- to 2-leaf stage rice.	General visual observation.
Stink Bug	5 stink bugs per 10 sweeps during first 2 weeks of panicle emergence. 10 stink bugs per 10 sweeps after first 2 weeks of panicle emergence. Terminate insecticide applications at 60% hard dough. For more information see MP192, <i>Rice Production Handbook</i> .	Sample for stink bugs during the morning hours or late evening. Stink bug levels are difficult to estimate during high daytime temperatures.
Rice Water Weevil	50% to 60% of new leaves show feeding scars and adults are present.	Inspect the youngest leaf on 20-40 plants at 4 locations in the field. Avoid areas with thin stand. DO NOT count older leaves with scars.

**CAUTION:** Do not allow acephate applications to adjacent crops such as soybean or cotton to drift onto rice. Acephate/Orthere is not labelled on rice.

## RICE INSECT CONTROL

Insect	Insecticide	Formulation/Acre	Lb ai/Acre	Acres/ Gallon	Application/Comments	Minimum Days From Last Application to Harvest	Restricted Entry Interval (REI) Hours
<b>Chinch Bug</b>  Treat when chinch bugs are causing plant injury and bugs are present. Flooding prior to treatment will move chinch bugs up from the soil onto the plants and increase chances of control. Flooding alone may not control chinch bugs.	chlorthianidin Belay 2.13 F	4.5 oz	0.075	28.4	DO NOT apply after 3rd tillar initiaion. DO NOT apply to rice that has NipsIt Inside seed treatment. Hold water for 14 days after treatment.		12
	gamma-cyhalothrin (R) Proaxis 0.5 CS Declare 1.25 CS	3.2-5.12 oz 1.28-2.05 oz	0.0125-0.02	25-40 62-100	DO NOT release flood water within 7 days after application.	21 21	24 24
	lambda-cyhalothrin (R) Warrior II 2.08 CS <i>(See Generic Insecticides)</i>	1.6-2.56 oz	0.025-0.04	50-80	DO NOT release flood water within 7 days after application.	21	24
	zeta-cypermethrin (R) Mustang Maxx 0.8 EC	2.64-4 oz	0.0165-0.025	32-40	DO NOT release flood water within 7 days after application.	14	12
<b>Fall Armyworm, True Armyworm</b>  No treatment is warranted for rice between seedling and 2-3 tiller, unless armyworms are feeding on the growing point. For May and June plantings, armyworms should be treated when defoliation exceeds 40% at 5-6 tiller and 20% at green ring. Higher yield loss has been observed for later plantings. Late seascon, treat when armyworms are present and head cutting is occurring.	gamma-cyhalothrin (R) Proaxis 0.5 CS Declare 1.25 CS	3.2-5.12 oz 1.28-2.05 oz	0.0125-0.02	25-40 62-100	DO NOT release flood water within 7 days after application.	21 21	24 24
	lambda-cyhalothrin (R) Warrior II 2.08 CS <i>(See Generic Insecticides)</i>	1.6-2.56 oz	0.025-0.04	50-80	DO NOT release flood water within 7 days after application. Inconsistent control has been observed with lambda-cyhalothrin in recent years.	21	24
	zeta-cypermethrin (R) Mustang Maxx 0.8 EC	3.2-4.0 oz	0.02-0.025	32-40	DO NOT release flood water within 7 days after application.	14	12
<b>Short-Horned Grasshopper</b>	gamma-cyhalothrin (R) Proaxis 0.5 CS Declare 1.25 CS	3.2-5.12 oz 1.28-2.05 oz	0.0125-0.02	25-40 62-100	DO NOT release flood water within 7 days after application.	21 21	24 24
	lambda-cyhalothrin (R) Warrior II 2.08 CS <i>(See Generic Insecticides)</i>	1.6-2.56 oz	0.025-0.04	50-80		21	24
	zeta-cypermethrin (R) Mustang Maxx 0.8 EC	3.2-4.0 oz	0.02-0.025	32-40		14	12

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Insect	Insecticide	Formulation/Acre	Lb ai/Acre	Acres/Gallon	Application/Comments	Minimum Days From Last Application to Harvest	Restricted Entry Interval (REI) Hours
<b>Rice Stink Bug</b> During first 2 weeks of panicle emergence treat for 5 stink bugs per 10 sweeps, treat for 10 stink bugs per 10 sweeps thereafter. Terminate insecticide applications at 60% hard dough.	dinotefuran Tenchu 20 SG	7.5-10.5 oz	0.094-0.13			7	12
	malathion Malathion 57% EC	1-1.5 pt	0.625-0.94	5.3-8.0		7	12
	gamma-cyhalothrin (R) Proaxis 0.5 CS	3.2-5.12 oz	0.0125-0.02	25-40	DO NOT release flood water within 7 days after application.	21	24
	Declare 1.25 CS	1.28-2.05 oz		62-100		21	24
	lambda-cyhalothrin (R) Warrior II 2.08 CS (See Generic Insecticides)	1.6-2.56 oz	0.025-0.04	50-80		21	24
zeta-cypermethrin (R) Mustang Maxx 0.8 EC	2.64-4.0 oz	0.0165-0.025	32-48.5		14	12	
<b>Rice Water Weevil (Adults)</b> Treat based on leaf scar treatment threshold. For drill seeded rice, make applications within 10 days after permanent flood. For water seeded rice apply within 7 days after permanent flood. In some cases, pre-flood applications of insecticides provide better control of rice water weevil than post-flood applications. Pre-flood applications should only be made if permanent flood is being established 35 days after planting for rice treated with either NipsIt or CruiserMaxx insecticides.	chlorthianidin Belay 2.13 F	4.5 oz	0.075	28.4	DO NOT apply after 3rd tillar initiaion. DO NOT apply to rice that has NipsIt Inside seed treatment. Hold water for 14 days after treatment.		12
	gamma-cyhalothrin (R) Proaxis 0.5 CS	3.2-5.12 oz	0.0125-0.02	25-40	DO NOT release flood water within 7 days after application.	21	24
	Declare 1.25 CS	1.28-2.05 oz		62-100		21	24
	lambda-cyhalothrin (R) Warrior II 2.08 CS (See Generic Insecticides)	1.6-2.56 oz	0.025-0.04	50-80	DO NOT release flood water within 7 days after application.	21	24
	zeta-cypermethrin (R) Mustang Maxx 0.8 EC	2.64-4 oz	0.0165-0.025	32-48.5	DO NOT release flood water within 7 days after application.	14	12
<b>Rice Water Weevil (Eggs)</b> For drill seeded rice, make applications within 10 days after permanent flood. For water seeded rice apply within 7 days after permanent flood.	diflubenzuron (R) Dimilin 2 L	12-16 fl oz	0.125-0.25	8.0-10.6	DO NOT release flood water within 14 days after application. DO NOT apply to fields adjacent to crayfish farming.	80	12

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<b>Rice Water Weevil (Larvae)</b>	chlorantraniliprole Dermacor X-100	1.5-6.0 oz/100 lb seed (see label)	0.06-0.08				4
	clothianidin NipsIt Inside 5 FS	1.92 oz/100 lb seed	0.075/100 lb seed		Use only on dry-seeded rice. DO NOT spray crop with another neonicotinoid insecticide after using NipsIt Inside. DO NOT use near fish or crawfish farms.		12
	cyantraniliprole Fortenza 5 FS	3.47 oz/100 lb seed	0.13/100 lb seed		DO NOT use treated fields for aquaculture of edible fish or crustaceans. Fortenza treated rice cannot be soaked or pre-germinated before seeding.	28	12
	thiamethoxam Cruiser 5 FS	0.03 mg ai/seed			DO NOT plant or sow Cruiser-treated seed by aerial application. Cruiser is NOT labeled for use in water-seeded rice. DO NOT use treated fields for aquaculture of edible fish or crustaceans. DO NOT exceed 120 lb seed per acre.		12
<b>Midge Larvae</b>	Midges can be a problem in water-seeded rice. To avoid midge problems, use presprouted seed, promptly apply seed as soon as field is flooded and avoid seeding during cool weather. There are currently no insecticides available for midge control in rice.						
<b>Rice Stalk Borer</b>	chlorantraniliprole Dermacor X-100	1.5-6.0 oz/100 lb seed (see label)	0.06-0.08				4
	cyantraniliprole Fortenza 5 FS	3.47 oz/100 lb seed	0.13/100 lb seed		Use only on dry-seeded rice. DO NOT use treated fields for aquaculture of edible fish or crustaceans.		12
	gamma-cyhalothrin (R) Proaxis 0.5 CS Declare 1.25 CS	3.2-5.12 oz 1.28-2.05 oz	0.0125-0.02	25-40 62-100	DO NOT release flood water within 7 days after application.	21 21	24 24
	lambda-cyhalothrin (R) Warrior II 2.08 CS (See Generic Insecticides)	1.92-2.56 oz	0.03-0.04	50-67	DO NOT release flood water within 7 days after application.	21	24
	<b>Aphids, Greenbug, Birdcherry-Oat Aphid</b>	chlothianidin Belay 2.13F	4.5 oz	0.075	28.4	DO NOT apply after 3rd tiller initiation. DO NOT apply to rice that has NipsIt Inside seed treatment. Hold water for 14 days after treatment.	
Apply when 2-3 greenbugs per plant are found on one- to two-leaf stage rice.	gamma-cyhalothrin (R) Proaxis 0.5 CS Declare 1.25 CS	3.2-5.12 oz 1.28-2.05 oz	0.0125-0.02	25-40 62-100	DO NOT release flood water within 7 days after application.	21 21	24 24
	lambda-cyhalothrin (R) Warrior II 2.08 CS (See Generic Insecticides)	1.6-2.56 oz	0.025-0.04	50-80	DO NOT release flood water within 7 days after application.	21	24
	zeta-cypermethrin (R) Mustang Maxx 0.8 EC	3.2-4.0 oz	0.02-0.025	32-40	DO NOT release flood water within 7 days after application.	14	12
	<b>Grape Colaspis</b>	thiamethoxam Cruiser 5 FS	0.03 mg ai/seed			DO NOT plant or sow Cruiser-treated seed by aerial application. Cruiser is NOT labeled for use in water-seeded rice. DO NOT use treated fields for aquaculture of edible fish or crustaceans. DO NOT exceed 120 lb seed per acre.	
	clothianidin NipsIt Inside 5 FS	1.92 oz/100 lb seed	0.075/100 lb seed		Use only on dry-seeded rice. DO NOT spray crop with another neonicotinoid insecticide after using NipsIt Inside. DO NOT use near fish or crawfish farms.		12
<b>Billbug (Row Rice)</b>	chlorantraniliprole Dermacor X-100	1.5-6.0 oz/100 lb seed (see label)	0.06-0.08				4
	Blank heads may still occur.	cyantraniliprole Fortenza 5 FS	3.47 oz/100 lb seed	0.13/100 lb seed	Use only on dry-seeded rice. DO NOT use treated fields for aquaculture of edible fish or crustaceans.		12