FIELD CORN INSECTICIDE PERFORMANCE RATING, 2026

	Chemistry	Restricted Entry Interval (hours)	Restricted Use (R)	Chinch Bug	Fall Armyworm	Corn Rootworm	Cutworm	European Corn Borer	Flea Beetle	Grasshopper	Seed Corn Maggot	Southwestern Corn Borer	Green and Southern Green Stink Bug	Brown Stink Bug	Wireworm	Fire Ant
Axcess/Senator/Concur	NEO	12		8		6	1				8				5	5
Cruiser	NEO	12		8		6	1				8				5	5
Fortenza	DM	12														
Lumivia	DM										8					
Poncho	NEO		X	8		6	3				8				5	5
Ambush	SyP	12	X	7	5		8	6		7		5	7	4		
Asana XL/Adjourn	SyP	12	X	7	5		9	6		7		7	8	5		
Aztec/Defcon	SyP + OP	48	X	8		6	4				8					
Baythroid XL	SyP	12	X	7	5		9	6	6	8		7	8	5		
Besiege	DM + SyP	24	X	7	9		9	9	6	8		9	8	4		
Blackhawk	SP	4		0	7		7	7		1		8				
Counter	OP	48	X	8		6	0		6		8				6	
Bifenthrin/Discipline/Fanfare/Brigade	SyP	12	X	7	5		9	7	6	8		7	9	8		
Elevest	SyP + DM	12	X	7	9		9	9	6	8		9	9	8		
Force/Force EVO	SyP	0	X	6		6	5				5					
Hero	SyP	12	X	7	5		9	7	6	8		7	9	8		
Intrepid/Troubadour/Invertid/Turnstyle	IGR	4					7	8				8				
Intrepid Edge	IGR + SP	4			7		9	9				9				
Lambda Cy/Silencer/Warrior	SyP	24	X	7	5		9	6	6	8		6	8	4		
Lannate	Car	48	X	3	8		5	6		4		7				
Mustang Maxx	SyP	12	X	7	5		9	6	6	8		7	8	4		
Pounce/Perm-UP	SyP	12	X	7	5		8	6	6	8		6	6			
Prevathon/Vantacor	DM	4			9		9	9				9				
Proaxis/Declare	SyP	24	X	7	4		9	6	6	8		6	8	4		
Sevin/Carbaryl	Car	12	X	8	6		5	6	8	5		7				
Thimet/Phorate	OP	48	X			5	0				1					

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
Fall armyworm/Corn earworm	3-6 larvae per whorl	Examine 25-50 plants
Chinch bugs	when stand is threatened and chinch bugs are present.	
European corn borer	50% of plants showing damage with larvae present	
Southwestern corn borer	Pheromone Traps: First generation – 50 per week; Second generation – 100 per week. Field Scouting: 10% of plants showing damage with larvae present	
Stink bugs	10% of plants infested (< 2 feet tall) 5% of plants during early ear formation	Examine 25-50 plants (stink bugs tend to infest field borders first)

When planting into a cover crop, consider using a high seed treatment rate of 500 or above.

FIELD CORN 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
Corn Rootworm, Seed Corn Maggot, Wireworms, White Grubs	broflanilide Nurizma 2.5	 0.05-0.07 oz/1,000 ft	0.7-1		In-furrow use only. Apply into open seed furrow. DO NOT apply more than 0.0445 lb ai/acre per season.		12
	clothianidin Poncho 600	 0.25-1.25 mg ai/seed			Seed treatment – commercially available.		12
	cyantraniliprole Fortenza 5 FS	 0.125-0.25 mg ai/kernel			Seed treatment. Fortenza is not labeled for control of corn rootworm.		12
	cyfluthrin + phostebupirim (**R**) Aztec or Defcon 2.1 G	 6.7 oz/1,000 ft of row	0.12		Apply Aztec/Defcon in 7-inch band or in furrow.	30	48
	imidacloprid Senator/Axcess 5 FS Concur	 1.34 mg ai/kernel 1.5 oz/42 lb seed			Seed treatment.		12
	phorate (**R**) Thimet/Phorate 20 G	 6 oz/1,000 ft of row	1		Apply in 7-inch band behind the planter shoe directly in front of the press wheel. DO NOT apply Thimet or Phorate directly in furrow.	30	48
	tefluthrin (**R**) Force 3 G Force EVO	 4-5 oz/1,000 ft of row 0.46-0.57 fl oz/1,000 ft	0.1-0.24		Apply in 7-inch band or in furrow. Apply in 7-inch T-band and incorporate or in furrow.		48
	terbufos (**R**) Counter 15 G	 8 oz/1,000 ft of row	1		Apply in furrow or in 7-inch band behind planter shoe in front of the press wheel.		48
	thiamethoxam Cruiser 5 FS	 1.25 mg ai/kernel			Seed treatment.		12
Cutworm Cutworm pressure is higher when planting into a cover crop. Consider increasing seed treatment rates when planting directly into a cover crop	beta-cyfluthrin (**R**) Baythroid XL 1 EC	 0.8-1.6 oz	0.007- 0.013	 80-160		21	12
	bifenthrin (**R**) Brigade 2 EC *(See Generic Insecticides)*	 2.1-6.4 oz	0.033-0.1	 20-61		30	12
	cyantraniliprole Fortenza 5 FS	0.125-0.25 mg ai/kernal			Seed treatment.		12
	cyfluthrin (**R**) Tombstone 2 EC	 0.8-1.6 oz	0.013- 0.025	 80-160		21	12
	esfenvalerate (**R**) Asana XL 0.66 EC *(See Generic Insecticides)*	 3.2-9.6 oz	0.016-0.05	 13-40	Direct spray to lower portion of plants and to soil around base of plant.	21	12
	gamma-cyhalothrin (**R**) Proaxis 0.5 CS Declare 1.25 CS	 1.92-3.20 oz 0.77-1.28 oz	0.0075- 0.0125	 40-66.7 100-166		21	24
	lambda-cyhalothrin (**R**) Warrior II 2.08 CS *(See Generic Insecticides)*	 0.96-1.6 oz	0.015- 0.025	 80-133		21	24
	permethrin (**R**) Ambush 2 EC Pounce 25 WP	 6.4-12.8 oz 6.4-9.6 oz	0.1-0.2	 10-20		prior to brown silk	12
	zeta-cypermethrin (**R**) Mustang Maxx 0.8 EC *(See Generic Insecticides)*	 1.28-3.2 oz	0.008-0.02	 40-100		30	12

FIELD CORN 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
Chinch Bug Treat when seedlings are dying to the point of reducing stand below an acceptable level and chinch bugs are found.	beta-cyfluthrin (**R**) Baythroid XL 1 EC	 1.6-2.8 oz	0.013-0.022	 45.7-80		21	12
	bifenthrin (**R**) Brigade 2 EC *(See Generic Insecticides)*	 2.1-6.4 oz	0.033-0.1	 20-61		30	12
	carbaryl Sevin 4L	 2qt	2	 2	Direct spray to base of plant. Use a minimum of 20 gal final spray volume per acre.	48 (grain) 14 (forage)	12
	esfenvalerate (**R**) Asana XL 0.66 EC *(See Generic Insecticides)*	 5.8-9.6 oz	0.03-0.05	 13-22		21	12
	gamma-cyhalothrin (**R**) Proaxis 0.5 CS Declare 1.25 CS	 3.84 oz 1.54 oz	0.015	 33 83		21	24
	lambda-cyhalothrin (**R**) Warrior II 2.08 CS *(See Generic Insecticides)*	 1.92 oz	0.03	 66.7		21	24
	terbufos (**R**) Counter 15 G	 8 oz/1,000 ft of row	Do not exceed 1.3 lb		DO NOT use more than 8.7 lb of Counter per acre. Counter only controls early season, light to moderate populations of chinch bugs.		48
	zeta-cypermethrin + bifenthrin (**R**) Hero 1.24 EC	 4-10.3 oz	0.04-0.1	 12.4-32		30	12
Green and Southern Green Stink Bug Treat when 10% of plants are infested and plants are less than 2 ft tall. During early ear formation, treat when 5% of plants are infested. Consider using a higher seed treatment rate when planting into a cover crop to reduce potential stink bug damage.	beta-cyfluthrin (**R**) Baythroid XL 1 EC	 1.6-2.8 oz	0.013-0.022	 45.7-80		21	12
	bifenthrin (**R**) Brigade 2 EC (*See Generic Insecticides*)	 2.1-6.4 oz	0.033-0.1	 20-61		30	12
	gamma-cyhalothrin (**R**) Declare 1.25 CS Proaxis 0.5 CS	 1.02-1.54 oz 2.56-3.84 oz	0.01-0.015	 83-125.5 33-50		21	24
	lambda-cyhalothrin (**R**) Warrior II 2.08 CS *(See Generic Insecticides)*	 1.28-1.92 oz	0.02-0.03	 66.7-100		21	24
	zeta-cypermethrin (**R**) Mustang Maxx 0.8 EC *(See Generic Insecticides)*	 2.7-4.0 oz	0.017-0.025	 32-47		30	12

FIELD CORN 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
Brown Stink Bug Treat when 10% of plants are infested and plants are less than 2 ft tall. During early ear formation, treat when 5% of plants are infested. Consider using a higher seed treatment rate when planting into a cover crop to reduce potential stink bug damage.	bifenthrin (**R**) Brigade 2 EC *(See Generic Insecticides)*	2.1-6.4 oz	0.033-0.1	20-61		30	12
	zeta-cypermethrin + bifenthrin (**R**) Hero 1.25 EC	4-10.3 oz	0.04-0.1	12.4-32		30	12
Fall Armyworm Apply insecticide when 3-6 larvae are found per whorl. Use a high volume of water (15-20 gpa).	bifenthrin + chlorantraniliprole (**R**) Elevest 2.22 SC	5.6-9.6 oz	0.098-0.167	13.3-23	DO NOT apply at intervals closer than 7 days apart.	30	12
	carbaryl Sevin XLR	2 qt	2	2		48 (grain) 14 (forage)	12
	chlorantraniliprole Prevathon 0.43 SC Vantacor 5 SC Shenzi 400 SC	 14-20 oz 1.2-2.5 oz 1.7-3.8 oz	0.047-0.067	 6.4-9.1 107-51 75.3-33.7	DO NOT apply at intervals closer than 7 days apart.	14	4
	lambda-cyhalothrin + chlorantraniliprole (**R**) Besiege	6-10 oz	0.06-0.097	12.8-21		21	24
	methomyl (**R**) Lannate 2.4 LV	0.75-1.5 pt	0.22-0.45	5.3-10.7		21 (ears and fodder) 3 (forage)	48
	spinosad Blackhawk	1.67-3.3 oz	0.038-0.075		DO NOT apply more than 8.3 oz of Blackhawk per year.	28 (grain) 7 (forage)	4
Corn Leaf Aphid Treat when aphids populations are high and excessive honeydew production is interfering with pollination.	esfenvalerate (**R**) Asana XL 0.66 EC *(See Generic Insecticides)*	5.8-9.6 oz	0.03-0.05	22-13	Corn leaf aphids generally do not cause yield loss unless honeydew production interferes with pollination or plants are under stress from other factors.	21	12
	flupyradifurone Sivanto Prime 1.67	7-14 oz	0.09-0.18	18.3-9.1		7 (forage) 21 (grain)	4
	lambda-cyhalothrin (**R**) Warrior II 2.08 CS *(See Generic Insecticides)*	1.28-1.92 oz	0.02-0.03	100-66.7		21	24
Corn Leafhopper	clothianidin Poncho 600	1.25 mg ai/kernel			Corn leafhopper was detected in Arkansas in late planted corn in 2024. This insect is unable to overwinter in Arkansas and may not be a problem in early planted corn. Consider a high seed treatment rate on late planted corn to minimize damage.		12
	thiamethoxam Cruiser 5 FS	1.25 mg ai/kernel					12

FIELD CORN 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
Flea Beetle Spray young plants when beetles become abundant. Treat only if infestation is heavy.	beta-cyfluthrin (**R**) Baythroid XL 1 EC	 1.6-2.8 oz	0.013-0.022	 45.7-80		21	12
	bifenthrin (**R**) Brigade 2 EC *(See Generic Insecticides)*	 2.1-6.4 oz	0.033-0.1	 20-61		30	12
	carbaryl Sevin XLR	 1-2 qt	1-2	 2-4		48 (grain) 14 (forage)	12
	terbufos (**R**) Counter 20 G	 6 oz/1,000 ft of row					48
	zeta-cypermethrin (**R**) Mustang Maxx 0.8 EC *(See Generic Insecticides)*	 2.72-4.0 oz	0.017-0.025	 32-47		30	12
Grasshopper	bifenthrin (**R**) Brigade 2 EC *(See Generic Insecticides)*	 2.1-6.4 oz	0.033-0.1	 20-61		30	12
	bifenthrin + chlorantraniliprole (**R**) Elevest 2.22 SC	 4.8-9.6 oz	0.084-0.167	 13.3-26.7	DO NOT apply at intervals closer than 7 days apart.	30	12
	chlorantraniliprole Prevathon 0.43 SC Vantacor 5 SC Shenzi 400 SC	 8-20 oz 0.7-1.7oz 1-2.5 oz	0.027-0.067	 6.4-16 183-75 128-51.2	DO NOT apply at intervals closer than 7 days apart.	14	4
	esfenvalerate (**R**) Asana XL 0.66 EC *(See Generic Insecticides)*	 5.8-9.6 oz	0.03-0.05	 13-22		21	12
	gamma-cyhalothrin (**R**) Proaxis 0.5 CS Declare 1.25 CS	 2.56-3.84 oz 1.02-1.54 oz	0.01-0.015	 33-50 83-125.5		21	24
	lambda-cyhalothrin (**R**) Warrior II 2.08 CS *(See Generic Insecticides)*	 1.28-1.92 oz	0.02-0.03	 66.7-100		21	24
	lambda-cyhalothrin + chlorantroniliprole (**R**) Besiege	 6-10 oz	0.06-0.098	 12.8-21.3		21	24
	zeta-cypermethrin (**R**) Mustang Maxx 0.8 EC *(See Generic Insecticides)*	 2.72-4.0 oz	0.017-0.025	 32-47		30	12

Insect	Insecticide	Formulation/Acre	Lb ai/Acre	Acres/ Gallon	Application/Comments	Minimum Days From Last Application to Harvest	Restricted Entry Interval (REI) Hours
European Corn Borer	*Bt* corn hybrids				Field corn expressing the *Bt* toxin has proven to be very effective. Resistance to multiple *Bt* toxins has been detected in other parts of the country. Follow refuge requirements.		
Early planting will help avoid problems with this insect. Treat in late whorl stage when 50% of plants have feeding damage (shotholes) with larvae present.	beta-cyfluthrin (**R**)		0.013-0.022			21	12
	Baythroid XL 1 EC	1.6-2.8 oz		45.7-80			
	bifenthrin (**R**)		0.033-0.1			30	12
	Brigade 2 EC	2.1-6.4 oz		20-61			
	(See Generic Insecticides)						
	bifenthrin + chlorantraniliprole (**R**)		0.098-0.163		DO NOT apply at intervals closer than 7 days apart.	30	12
	Elevest 2.22 SC	5.8-9.6 oz		13.3-23			
	chlorantraniliprole		0.047-0.067		DO NOT apply at intervals closer than 7 days apart.	14	4
	Prevathon 0.43 SC	14-20 oz		6.4-9.1			
	Vantacor 5 SC	1.2-2.5 oz		107-51			
	Shenzi 400 SC	1.7-3.8 oz		75.3-33.7			
	esfenvalerate (**R**)		0.04-0.05			21	12
	Asana XL 0.66 EC	7.8-9.6 oz		13-16			
	(See Generic Insecticides)						
	gamma-cyhalothrin (**R**)		0.01-0.015		Use of insecticides applied to foliage for management of second-generation corn borers in early July has reduced stalk tunneling and lodging. However, yield increases have not been common with early-planted field corn.	21	24
	Proaxis 0.5 CS	2.56-3.84 oz		33-50			
	Declare 1.25 CS	1.02-1.54 oz		83-125.5			
	lambda-cyhalothrin (**R**)		0.02-0.03			21	24
	Warrior II 2.08 CS	1.28-1.92 oz		66.7-100			
	(See Generic Insecticides)						
	lambda-cyhalothrin + chlorantraniliprole (**R**)		0.06-0.098			21	24
	Besiege	6-10 oz		12.8-21.3			
	methoxyfenozide		0.06-0.12			21	4
	Intrepid 2 F	4.0-16 oz		8-32			
	(See Generic Insecticides)						
	methoxyfenozide + spinetoram		0.09-0.28			28	4
	Intrepid Edge	4-12 oz		10.7-32			
	permethrin (**R**)		0.1-0.2		Apply Ambush or Pounce prior to ear formation. Granules are best for first-generation larvae. Use foliar sprays on second-generation larvae. Apply granules by aircraft or by ground equipment directing granules into whorls.	prior to brown silk	12
	Ambush 2 EC	6.4-12.8 oz		10-20			
	Pounce 25 WP	6.4-9.6 oz					
	Pounce 1.5 G	6.7-13.3 lb					
	spinosad		0.038-0.075		DO NOT apply more than 8.3 oz of Blackhawk per year.	28 (grain) 7 (forage)	4
	Blackhawk	1.67-3.3 oz					
	zeta-cypermethrin (**R**)		0.017-0.025			30	12
	Mustang Maxx 0.8 EC	2.72-4.0 oz		32-47			
	(See Generic Insecticides)						
	zeta-cypermethrin + bifenthrin (**R**)		0.04-0.1			30	12
	Hero 1.24 EC	4-10.3 oz		12.4-32			

FIELD CORN 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
Southwestern Corn Borer Apply when 10% of plants show shothole feeding in whorl with larvae present. If using pheromone traps, make treatment at the following levels: 1st generation borers – 50 months per week, 2nd generation borers – 100 moths per week. Plant early to avoid damage. Treatment is not necessary after plants reach R4 growth stage.	*Bt* corn hybrids				Field corn expressing the *Bt* toxin has proven to be very effective. Resistance to multiple *Bt* toxins has been detected in other parts of the country. Follow refuge requirements.		
	beta-cyfluthrin (**R**) Baythroid XL 1 EC	 1.6-2.8 oz	0.013-0.022	 45.7-80		21	12
	bifenthrin (**R**) Brigade 2 EC *(See Generic Insecticides)*	 2.1-6.4 oz	0.033-0.1	 20-61		30	12
	bifenthrin + chlorantraniliprole (**R**) Elevest 2.22 SC	 5.8-9.6 oz	0.098-0.163	 13.3-23	DO NOT apply at intervals closer than 7 days apart.	30	12
	carbaryl Sevin XLR	 2 qt	2	 2	Apply high-volume coarse spray so that spray will run into whorls.	48 (grain) 14 (forage)	12
	chlorantraniliprole Prevathon 0.43 SC Vantacor 5 SC Shenzi 400 SC	 14-20 oz 1.2-2.5 oz 1.7-3.8 oz	0.047-0.067	 6.4-9.1 107-51 75.3-33.7	Do not apply at intervals closer than 7 days apart.	14	4
	esfenvalerate (**R**) Asana XL 0.66 EC *(See Generic Insecticides)*	 5.8-9.6 oz	0.03-0.05	 13-22		21	12
	gamma-cyhalothrin (**R**) Proaxis 0.5 CS Declare 1.25 CS	 2.56-3.84 oz 1.02-1.54 oz	0.01-0.015	 33-50 83-125.5		21	24
	lambda-cyhalothrin (**R**) Warrior II 2.08 CS *(See Generic Insecticides)*	 1.28-1.92 oz	0.02-0.03	 66.7-100		21	24
	lambda-cyhalothrin + chlorantraniliprole (**R**) Besiege	 6-10 oz	0.06-0.098	 12.8-21.3		21	24
	methoxyfenozide Intrepid 2 F *(See Generic Insecticides)*	 4-16 oz	0.06-0.012	 8-32		21	4
	methoxyfenozide + spinetoram Intrepid Edge	 4-12 oz	0.09-0.28	 10.7-32		28	4
	permethrin (**R**) Ambush 2 EC Pounce 25 WP Pounce 1.5 G	 6.4-12.8 oz 6.4-9.6 oz 6.7-13.3 lb	0.1-0.2	 10-20	Apply Ambush or Pounce prior to ear formation. Apply granules for first-generation larvae by aircraft or by ground equipment directing granules into whorls. Sprays should be used for second-generation larvae.	prior to brown silk	12
	spinosad Blackhawk	 2.2-3.3 oz	0.05-0.075		DO NOT apply more than 8.3 oz of Blackhawk per year.	28 (grain) 7 (forage)	4
	zeta-cypermethrin (**R**) Mustang Maxx 0.8 EC *(See Generic Insecticides)*	 2.7-4.0 oz	0.017-0.025	 32-47		30	12
	zeta-cypermethrin + bifenthrin (**R**) Hero 1.24 EC	 4-10.3 oz	0.04-0.1	 12.4-32		30	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
Organic Insecticide Options (OMRI approved)							
Caterpillar pests (European corn borer, southwestern corn borer, fall armyworm, cutworms, corn earworm	*Bacillus thuringiensis*				Good coverage is essential to obtain control. Target applications at egg hatch or early instars. Multiple applications may be necessary.		
	Agree WG	2 lbs				0	4
	Biobit WP	2 lbs				0	4
	BT Now	3.5 pts		2.3		0	4
	Deliver WG	1.5 lbs				0	4
	Dipel 10 G	10lbs				0	4
	Javelin WG	1.5 lbs				0	4
	Leprotec	2.5 pts		3.2		0	4
	XenTari DF	2 lbs				0	4
	spinosad		0.05-0.1		Do not make more than 3 applications/year. Do not apply more than 0.188 lbs ai/acre per year. Use higher rate on larger worms. Time application on egg hatch for corn borers.	1 grain, 7 forage	4
	Entrust 80 WP	1 – 2 oz					
	Entrust 2 SC	3 – 6 fl oz		42.7-21.3			
Chinch bug, stink bugs, flea beetles, grasshoppers,	azadirachtin				Toxic to fish. Does not control adult insects. Follow-up applications may be necessary to obtain control. For chinch bug nymphs apply in 20 gpa by ground.		
	Aza-Direct	1.35 pts		8-2.3		0	4
	AzaGuard	10-16 oz		12.8-8		0	4
	Ecozin Plus 1.2	15-30 oz		8.5-4.3		0	4
	Molt-X	10 oz		12.8		0	4
	Neemix 4.5	16 oz		8		0	4
	azadirachtin + pyrethrin				Toxic to aquatic organisms and bees. Do not allow to drift onto blooming crops or weeds while bees are foraging. Use higher rates on adult pests and large nymphs. Follow-up applications may be necessary to obtain control. For chinch bugs apply in 20 gpa by ground.		
	Azera 0.21	16-56 oz		8-2.3		0	12
	pyrethrin				Toxic to aquatic organisms and bees. Do not allow to drift onto blooming crops or weeds while bees are foraging. Use higher rates on adult pests and large nymphs. Follow-up applications may be necessary to obtain control. For chinch bugs apply in 20 gpa by ground.		
	Pyganic 5.0	4.5-15.61 oz		28.4-8.2		0	12
Slugs	Iron phosphate + spinosad						
	Bug-N-Sluggo	20-44 lbs				28	4