

Annual bluegrass weevil (ABW) larvae product comparison chart

Product		MatchPoint®	Ference ¹	Provaunt WDG ^{1,2}	Acelepryn ^{1,3}
Manufacturer		Corteva Agriscience	Syngenta	Syngenta	Syngenta
Formulation		WDG	SC	WDG	SC
Active Ingredient		Spinosad	Cyantranilprole	Indoxacarb	Chlorantranilprole
IRAC Group	5	x			
	22			x	
	28		x		x
Sub-Group		Spinosyns	Diamides	Oxadiazine	Diamides
Mode of Action		Nicotinic acetylcholine receptor allosteric activator - Site 1	Ryanodine receptor modulator	Voltage-dependent sodium channel blockers	Ryanodine receptor modulator
Characteristics of Larvicide	Contact Activity	x			
	Ingestion Activity	x	x	x	x
	Systemic Activity		x		x
	Translaminar Activity	x	x		
Characteristics of Treated ABW		Stops feeding immediately with death occurring hours to days later	Stops larvae turf-feeding damage within minutes after ingestion; larvae die within hours to days, depending on insect life stage and species	Stops feeding within minutes, rapidly reducing feeding damage. Once feeding stops, mortality typically occurs within 48 hours	Stops larvae turf-feeding damage within minutes after ingestion; larvae die within hours to days, depending on insect life stage and species
Rate/(Acre)		16-18 oz.	12-20 fl. oz.	18 oz.	12-20 fl. oz.
Max Use Rate/Year		≤ 6 apps/yr.	32 fl. oz.	36 oz.	38.3 fl. oz.
Signal Word		Caution	None	Caution	None
Larval Stages Controlled (Instars)	1 to 3	x	x		x
	4 to 5	x	x	x	
Water Recommendations	Amount	0.10" - 0.15"	N/A	0.05" - 0.10"	N/A
	Timing	w/in 24 hrs.	N/A	Immediately	N/A
PPE		Long sleeve shirt, long pants, shoes plus socks, gloves	Long sleeve shirt, long pants, shoes plus socks	Long sleeve shirt, long pants, shoes plus socks, waterproof gloves	Long sleeve shirt, long pants, shoes plus socks
Recommended Water pH		6 to 9	Up to 9	Stable under a wide range of pH conditions	Buffered across a very wide pH range
Packaging		4 lb. container	96 fl. oz. container	72 oz. bottle	64 fl. oz. bottle
Case Size		4 x 4 lb.	2 x 96 fl. oz.	4 x 72 oz.	4 x 64 fl. oz.
Mobility (Koc)		500-2000	241	avg. 4500	115-543

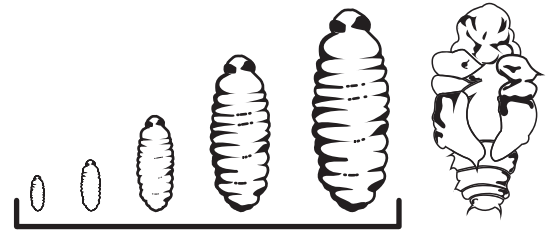
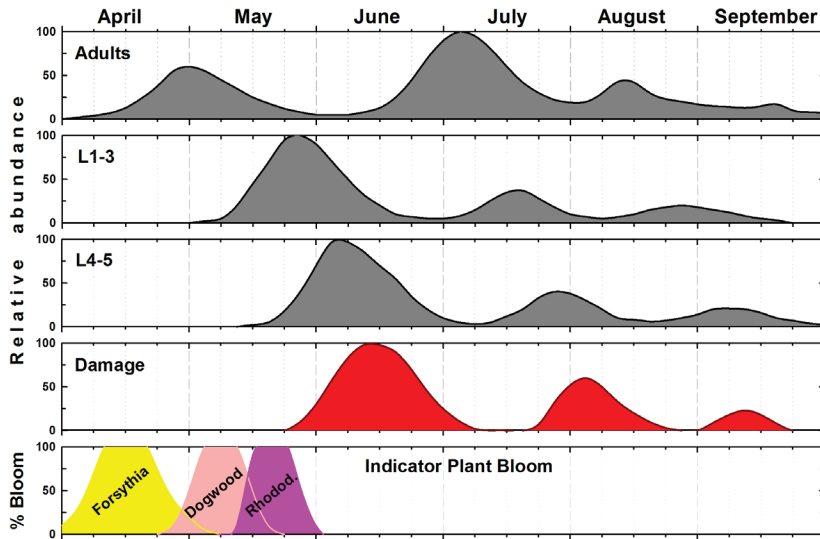
Koc value: Describes the tendency of a pesticide to bind to soil particles. The higher the Koc, the greater the sorption potential meaning it does not move in the soil.

- The new lignin technology works with the active ingredient, spinosad, to give MatchPoint enhanced residual activity and UV stability.
- Unique Group 5 mode of action makes it an essential part of an overall ABW rotation program
- Labeled for other pests such as webworms, cutworms, armyworms, black turfgrass atatenius (BTA) and fleas

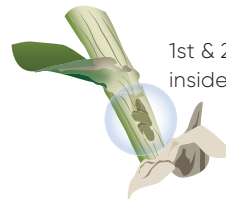
ABW Lifecycle and Seasonal Progression

(Timing for NY Metropolitan Area)

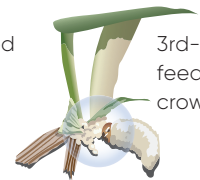
*Consult with your local distributor, university contact and/or Corteva Agriscience representative for recommended timings in your area



ABW LARVAE STAGES CONTROLLED
1st - 5th Instar



1st & 2nd instar feed inside the plant



3rd-5th instar feed on the crown of the turf

Source: Koppenhöfer A.M., Alm S.R., McGraw B.A., Swier S., Vittum P.J. 2012. Managing pyrethroid-susceptible annual bluegrass weevil. Golf Course Management, April 2012, 104-110.

Recommended ABW Larvae Program

Generation	Product	IRAC Group	Rate	Comments
1st	MatchPoint®	5	16 oz./A	
2nd				
3rd	MatchPoint	5	16 oz./A	

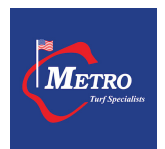
MatchPoint® insecticide Packaging



MatchPoint® insecticide comes in 64 oz. bottles. A measuring device is included in a case of 4 bottles.

Sources:

- ¹www.greencaonline.com
- ²http://www.fluoridealert.org/wp-content/pesticides/msds/indoxacarb.technical.bulletin.steward.pdf
- ³https://icl-sf.com/uploads/UK/General_Downloads/Turf%20and%20Amenity/Acelepryn%20Q%20and%20A.pdf



Visit us at corteva.us/turf