



B. bonariensis General Information





















Seasonal Activity: Central Florida Citrus



- Mean snails per trap, two years
- Activity increases mid March, similar timing to flowering and flush
- Fewer caught during dry periods -> irrigation clogging during these periods
- June/July rainy period -> snails caught on traps again
 - Trap capture patterns consistent with wet-dry periods
 - Field observations of increased snail presence mid-late March, treatment should start at this time to reduce population early





Daily Activity Patterns

- *B. bonariensis* appears to be tied to ambient temperature and moisture levels
- In central Florida, as ground temperatures rise, the snails migrate from the sandy soils to areas of higher elevation, leading to their accumulations on trees, irrigation, and equipment
 - This can be influenced by crop and within crop habitats (cover crops)
- Daily activity patterns can be important for management timing*





















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Insecticides	Active Ingredient	Max Rate	Application Rate (mL/L)
Actara	Thiamethoxam 25.0%	5.5 oz/a	0.43
Admire Pro	Imidacloprid 42.8%	7.0 oz/a	0.55
	TMX 13.9%+		
Agri-Flex	Abamectin 3.0%	8.5 oz/a	0.66
Agri-Mek SC	Abamectin 8.0%	4.25 oz/a	0.33
Apta	Tolfenpyrad 15.0%	27 oz/a	2.12
Brigade 2 EC	Bifenthrin 25.1%	32 oz/a	2.5
Danitol 2.4 EC	Fenpropathrin 30.9%	21.33 oz/a	1.67
Fyfanon	Malathion 57.0%	4.5 pt/a	6.76
Lorsban Advanced	Chlorpyrifos 40.2%	80 oz/a	6.25
Portal	Fenpyroximate 5.0%	64 oz/a	5



Baits*	Active Ingredient	Max Rate	Application (grams)
Bio-Sul	Sulfur 1.0%	44 lbs/a	2
Deadline GT	Metaldehyde 3.0%	33.3 lbs/a	1.5
Deadline M-Ps	Metaldehyde 4.0%	25 lbs/a	1.2
Ferroxx	Sodium Ferric EDTA 5.0%	20 lbs/a	0.92
Ferroxx AQ	Iron phosphate 3.0%	25 lbs/a	1.2
IronFist	Sodium Ferric EDTA 2.0%	40 lbs/a	1.8
Slugger Ultra 4.0	Metaldehyde 4.0%	25 lbs/a	1.2
Sluggo	Iron phosphate 1.0%	43.56 lbs/a	2
Sluggo Maxx	Iron phosphate 3.0%	25 lbs/a	1.2
*For baits, 10x the may	rate was applied to provide suffic	ient coverage a	nd increase encounter rate