

The Power
of

The logo for Nimitz Nematicide features the word "NIMITZ" in a bold, white, sans-serif font. A white, curved line arches over the letters. To the right of the word "NIMITZ" is a registered trademark symbol (®). Below "NIMITZ" is the word "NEMATICIDE" in a smaller, white, sans-serif font.

NIMITZ®
NEMATICIDE

Quick Facts

What it is

- Active ingredient:
Fluensulfone
- Formulation: 480 EC, 4 lb
ai/gal
- True nematicide, selectively
killing plant-parasitic
nematodes
- Non-fumigant
- No restricted use

What it does

- Kills plant parasitic nematodes
(PPN) within 24 to 48 hours of
direct contact
- MOA under study. Impairs the
nerve that controls stylet
thrusting; PPN stop feeding
- Easy on beneficial soil
microorganisms including free
living nematodes



NIMITZ®

NEMATICIDE

Registered for fruiting vegetables including bell and non-bell peppers

FLUENSULFONE 480EC

Nematicide

[Alternate Brand Name: NIMITZ®]

ACCEPTED

04/24/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 66222-243

For control and suppression of nematodes in: Crop Group 8-10, Fruiting vegetables, including tomatoes, okra, eggplant, and peppers (bell and non-bell); Crop Group 9, Cucurbit vegetable, including cucumbers, melons (cantaloupes, watermelon, honeydew), and squash; Crop Group 5, Brassica (Cole) leafy vegetables; Crop Group 4, Leafy vegetables (except Brassica vegetables); Crop Group 13-07G, Low growing berry subgroup, including strawberry; Crop groups 1B, Root Vegetables (except sugar beet) subgroup, including carrot, radish, and turnip; Crop group 1C, Tuberous and Corm vegetables including potato; Crop Group 11-10 , Pome Fruit; Crop Group 12-12, Stone Fruit; Crop Group 14-12, Tree Nuts; Crop Group 13-07D, Fruit, small vine climbing subgroup; Sugarcane and Tobacco



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NEMATICIDE

Laver overview

- ▶ **USA Registration: States** - AL, AR, AZ, CA, CO, DE, FL, GA, HI, IA, ID, IL, IN, KY, LA, MA, MD, MI, MN, MO, MS, NC, ND, NJ, NM, OH, OK, OR, PA, PR, SC, TN, TX, UT, VA, WA and WI
- ▶ Signal word: CAUTION
- ▶ Formulation: 480 EC (4 lbs ai/gal)
- ▶ Buffer zone None
- ▶ REI: 12 hours
- ▶ PPE Long-sleeves and chemical resistant gloves
- ▶ **Application** - Drip-Injection or Pre-Plant Incorporated (PPI)
- ▶ **Timing** – 7 to 10 days pre-plant*
- ▶ **Rates**
 - 3.5 – 7.0 pints/treated acre (56-112 oz)
 - Yearly max - 7 pints (112 oz)/3.5 lbs ai per acre on same field



Use information

► Plant back

- Immediate for any crop on the label
- Wheat, barley, buckwheat and oat - 90-day plant back interval
- All other cereal grain crops - 10-month plant back
- For crops not listed on the label or for which no tolerances have been established, the plant back is 365 days

► Other countries with Fluensulfone registration:



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FIELD DATA



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NEMATOCIDE

Chili pepper (*Capsicum annuum*) trial in New Mexico USA, 2017

- Banded PPI applications in a overhead irrigation field
- The following treatments were applied 5 April 2017 to listed beds (northern portion of field):
 - 1) NIMITZ[®] 3.5 pt/A; 12-inch band over the row
 - 2) NIMTIZ 5.0 pt/A; 12-inch band over the row
 - 3) NIMITZ 7.0 pt/A; 12-inch band over the row
 - 4) Telone II[®] 8 gal/A; single horizontal chisel 12 inches deep in center of listed bed
 - 5) Untreated control



NMSU Leyendecker Agricultural Science Center
Dr. Stephen Thomas
Las Cruces, NM

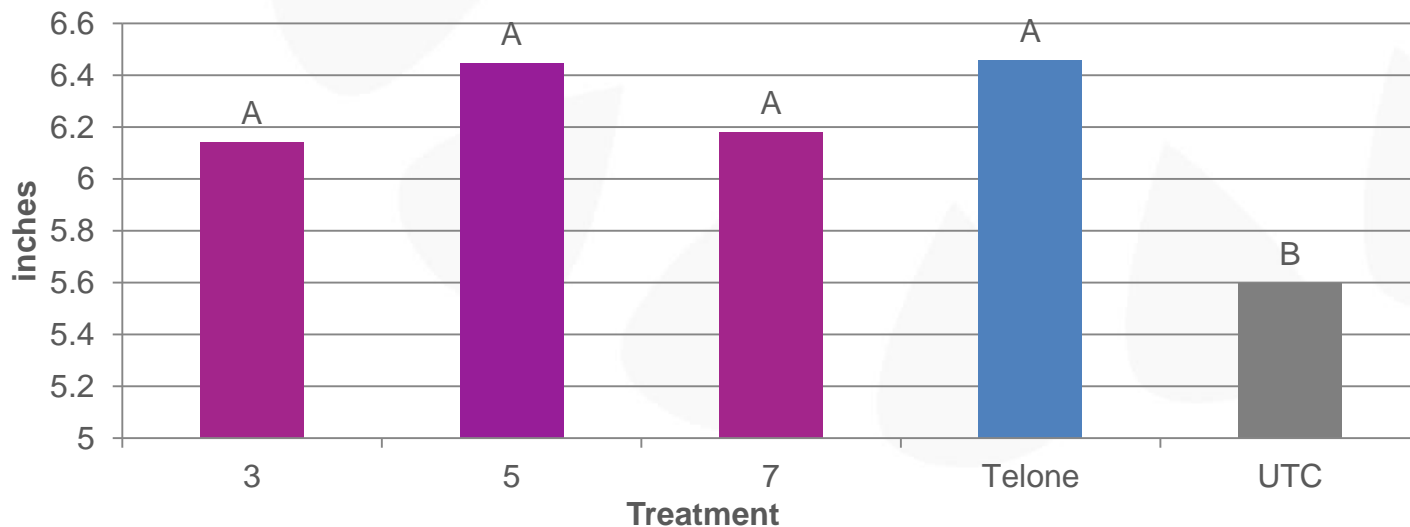


NIMITZ[®]

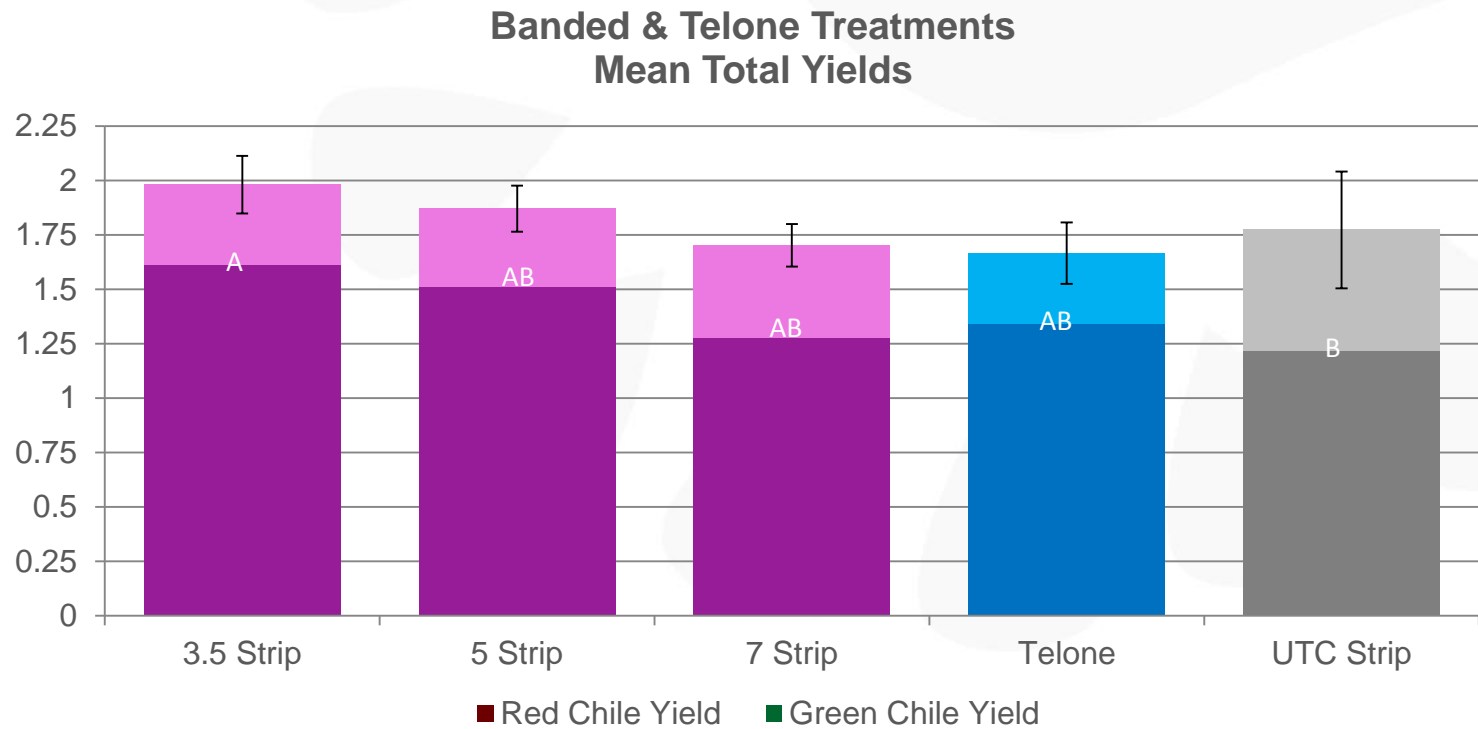
NEMATOCIDE

All banded applications of NIMITZ and Telone II resulted in taller plants compared to the untreated control

Plant Heights



Red chile pod weights were significantly greater in plots that received the banded treatment with 3.5 pt/A of NIMITZ than the untreated control



Bell pepper (*Capsicum annuum*) trial under drip irrigation in a non-fumigant program in Florida USA, 2018

	Treatment	Rate/A	Spray Interval	Appl. Code
1	Fluensulfone 480 EC	7pt	7 DPP	B-1
	Oxathiapripolin	12 oz	7 DPP	B-1
	Azoxystrobin	5oz/A	7DPP	D
	Pentiopyrad	24 oz/A	7DPP	B-1
2	Fluensulfone 480 EC	7pt	7 DPP	B-1
	Oxathiapripolin	12 oz	7 DPP	B-1
	Azoxystrobin	5oz/A	7DPP	B-1
	ADA58701	0.32 gal/A	7DPP	B-1
3	Fluensulfone 480 EC	7pt	7 DPP	B-1
	Oxathiapripolin	12 oz	7 DPP	B-1
	Azoxystrobin	5oz/A	7DPP	B-1
	Pentiopyrad	24 oz/A	7DPP	D
4	Standard Start up Program	Azoxystrobin 5 oz/A	Pre-plant	B-2
		Mefenoxam 1pt/A	At plant	D

FUNGICIDE FOLLOW-UP PROGRAM FOR ALL TREATMENTS

1. Chlorothalonil or mancozeb/DOW
2. Chlorothalonil or mancozeb/DOW
3. Chlorothalonil or mancozeb/DOW
4. Chlorothalonil or mancozeb/DOW
5. Procure /POW Presidio (drip) or Ranman + Torino/DOW + POW + PCAP Chlorothalonil or mancozeb/DOW
6. Chlorothalonil or mancozeb + Procure/DOW + POW Procure /POW
7. Presidio or Ranman (drip) + Torino/DOW + POW Chlorothalonil or mancozeb/ DOW
8. Chlorothalonil or mancozeb + Procure/DOW + POW Procure /POW

Farming Research Systems
Dr. Nancy Roe
Boynton Beach, FL 2018

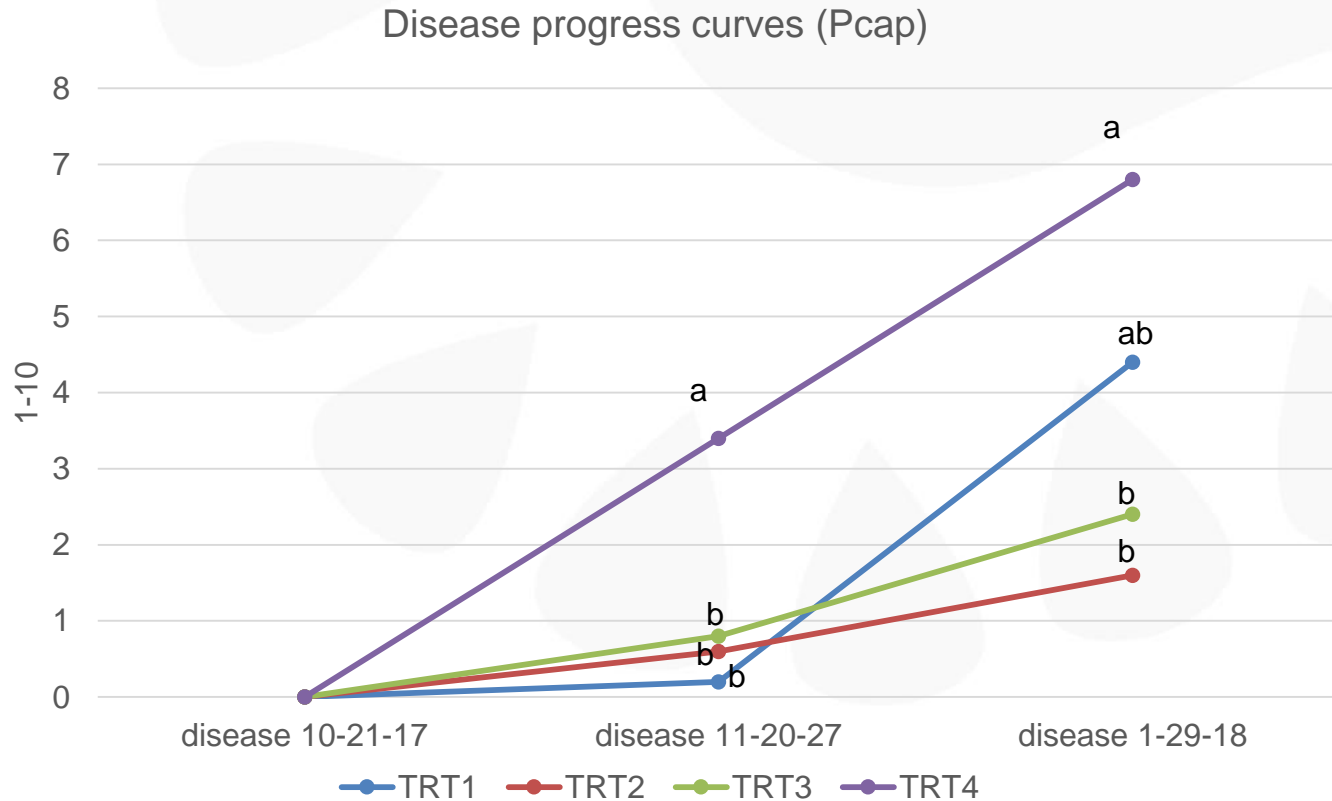
APPLICATION CODES
A-2=SURFACE DRIP
B-1=PPI BROADCAST
B-2= PPI BANDED
D= DRENCH



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Soil-borne disease *Phytophthora capsici* infected all the plots and affected treatment 4 significantly



Root decay– after harvest



1



2



3



4

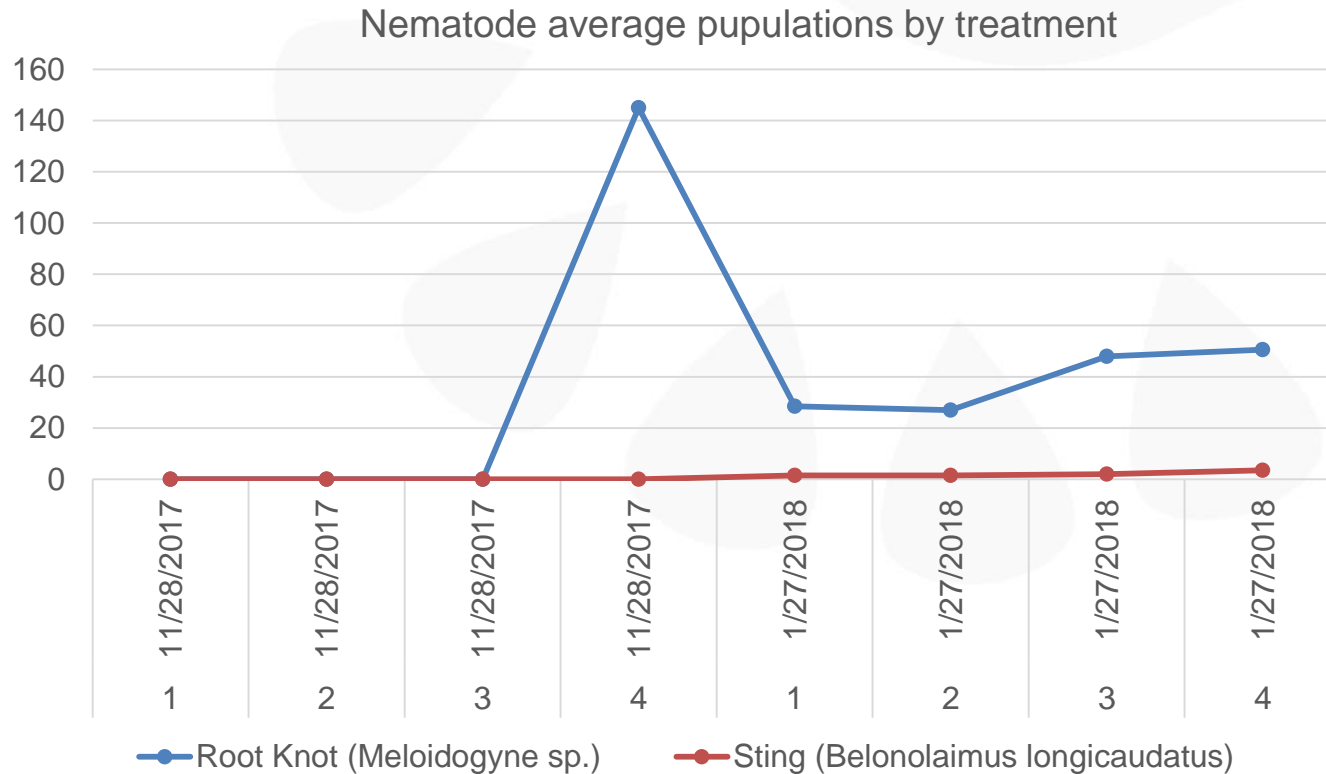


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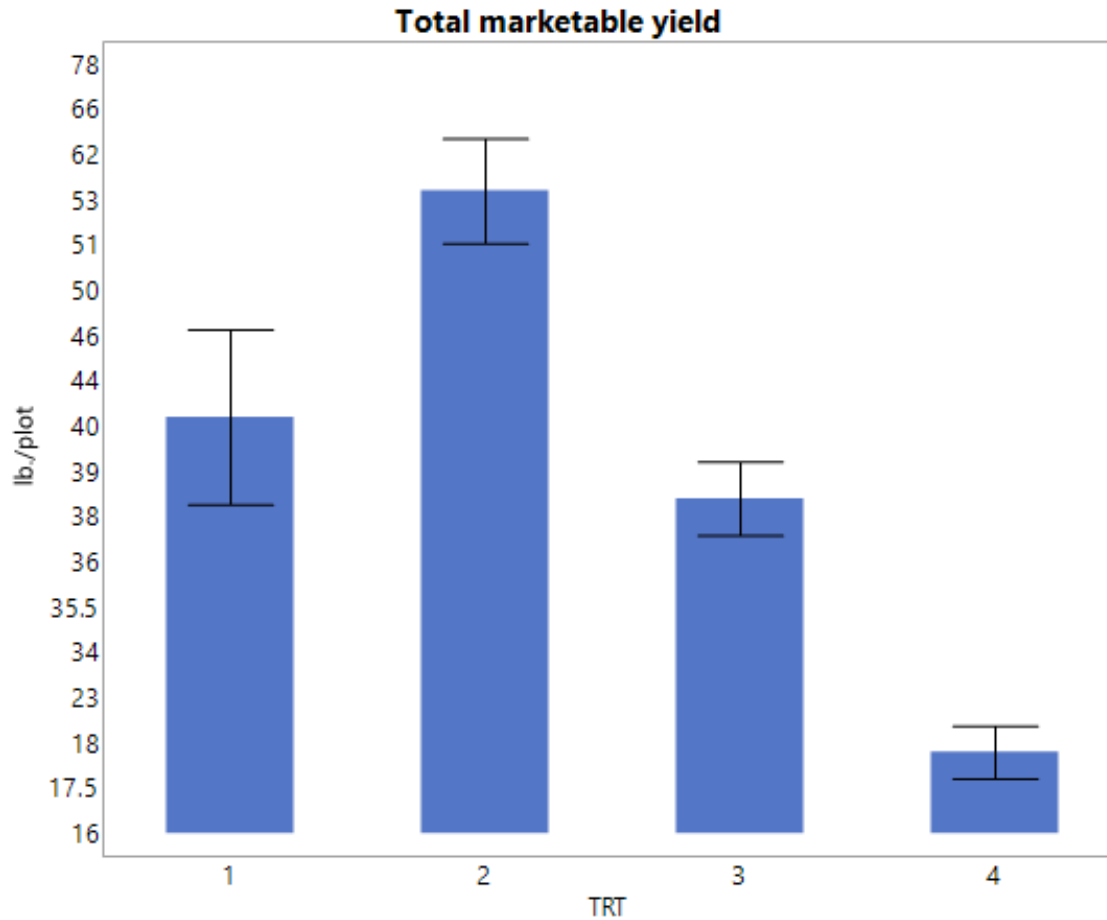
Nematode populations

Root knot nematode pressure was low at the beginning, there was a peak on the populations at 37 DAP, significantly higher for treatment No. 4, and then populations dropped.....



Yield

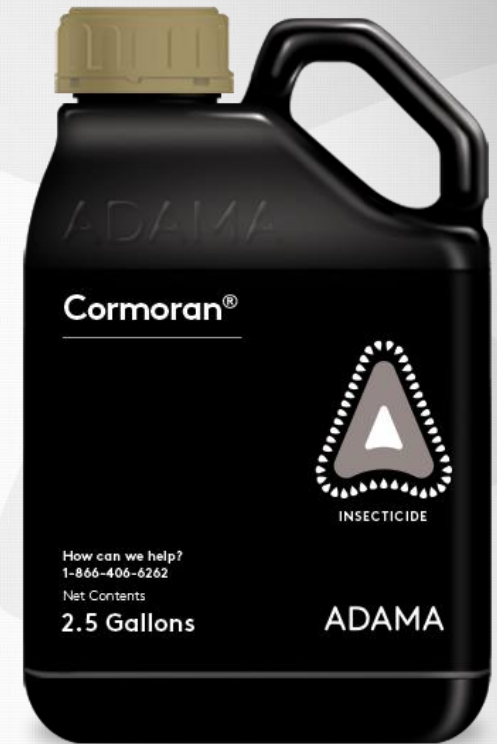
Treatment No. 2 had the highest yield significantly better than the other treatments, treatment No. 4 had the lowest yield



Cormoran®

Our new insecticide

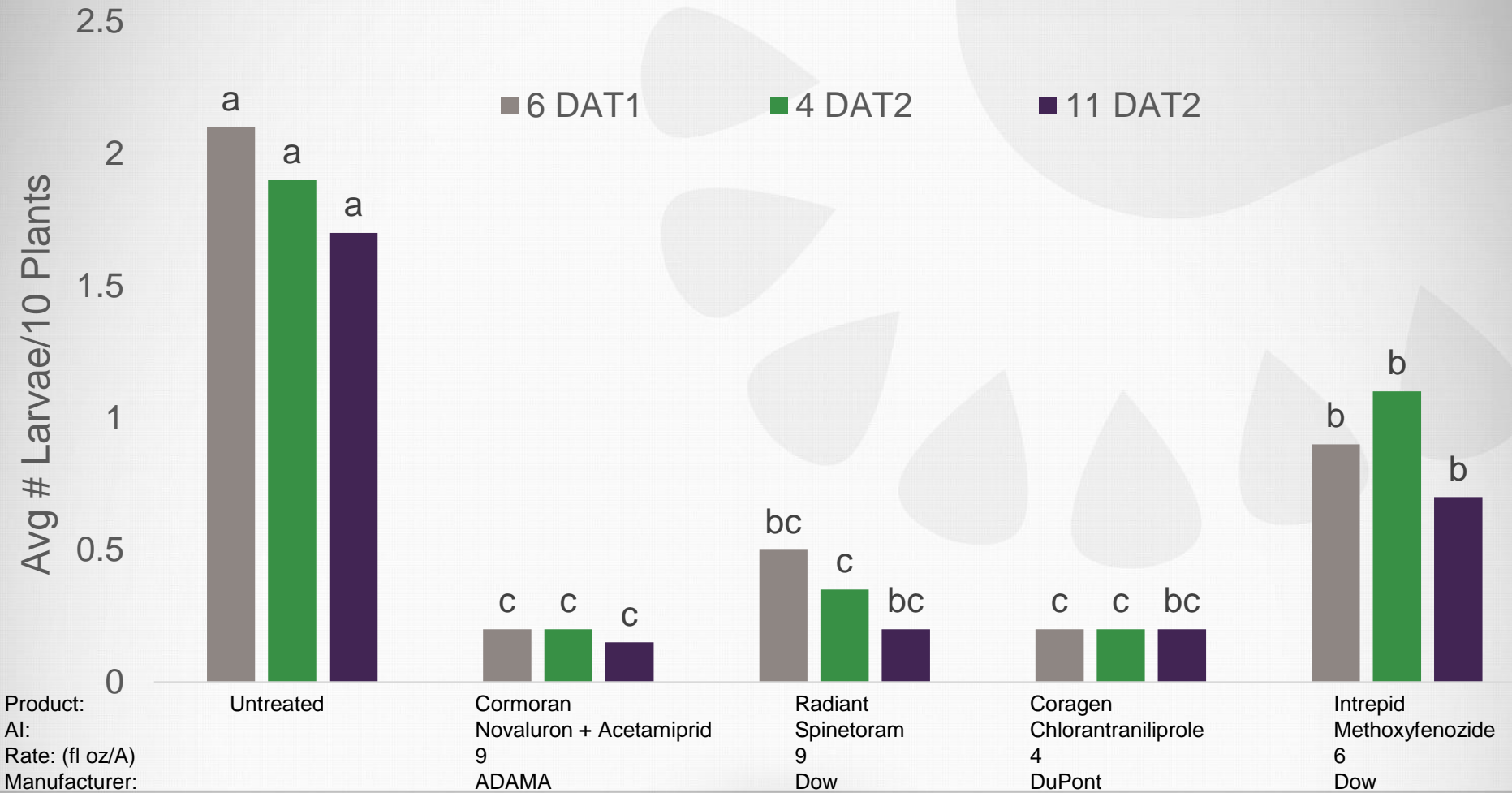
- **Active Ingredients:** Novaluron + Acetamiprid
- **MOA groups:** 15 + 4A
- **Formulation:** Dispersible Concentrate
- **Signal Word:** Caution
- **PPE:** Long sleeve shirt, long pants, chemical resistant gloves, shoes, socks



ADAMA

Cormoran®

Control of Beet Armyworm, *Spodoptera exigua* in Pepper

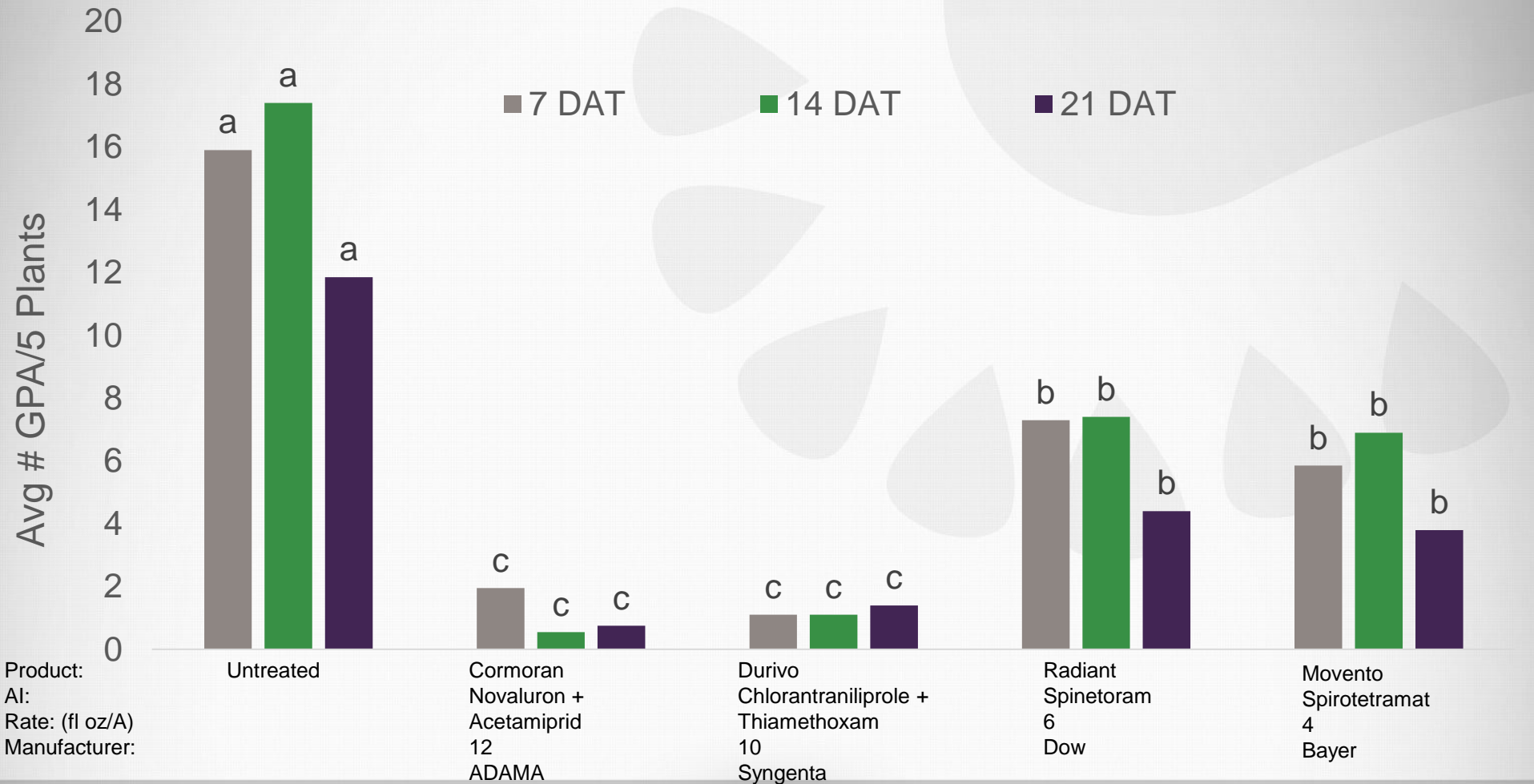


Product:
AI:
Rate: (fl oz/A)
Manufacturer:

ADAMA

Cormoran®

Control of Green Peach Aphid, *Myzus persicae*, in Pepper



ADAMA

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