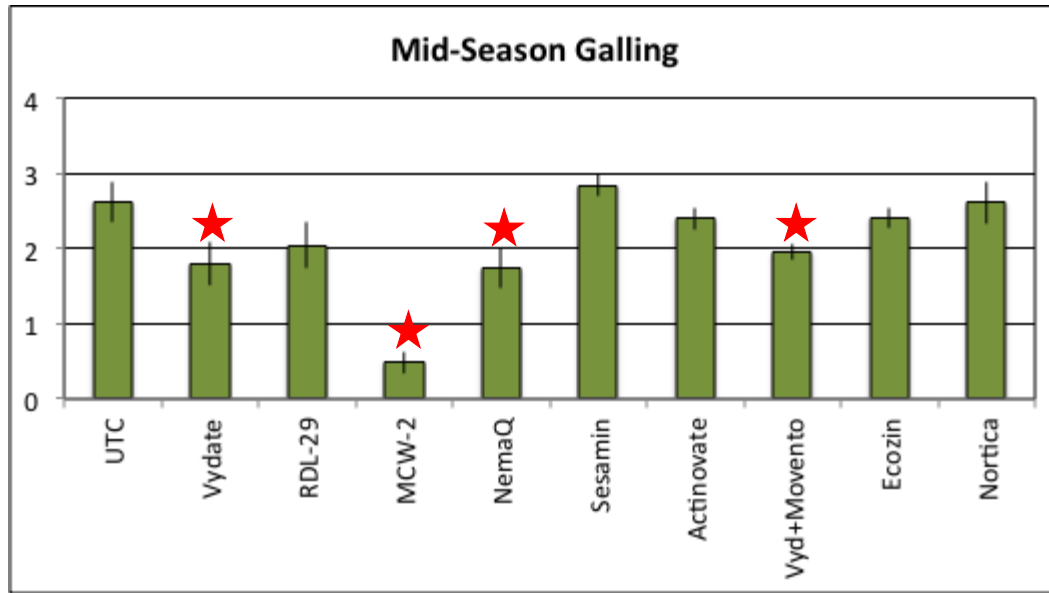


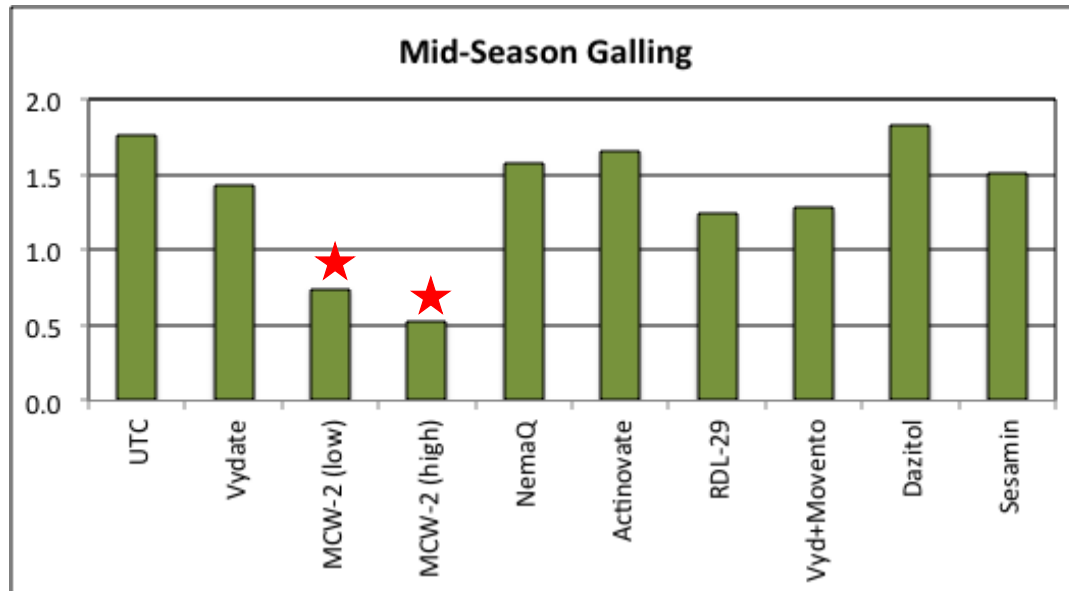
# Management of Root-Knot Nematodes with Novel Nematicides

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Antoon Ploeg, Department of Nematology, UC Riverside, CA  
Joe Nunez, UCCE Kern County, Bakersfield, CA

# Processing tomato, Irvine



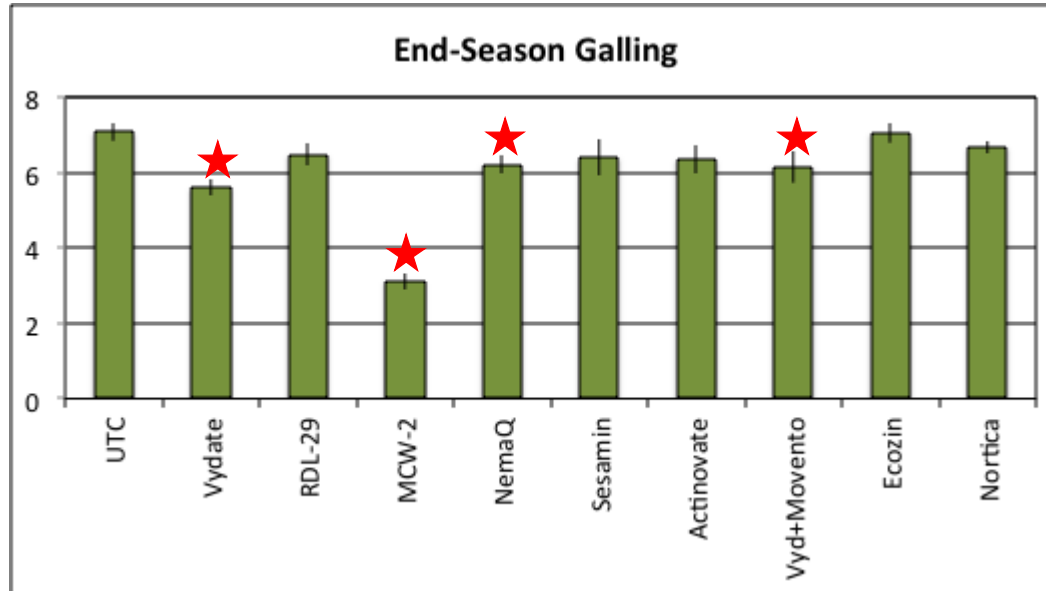
2011



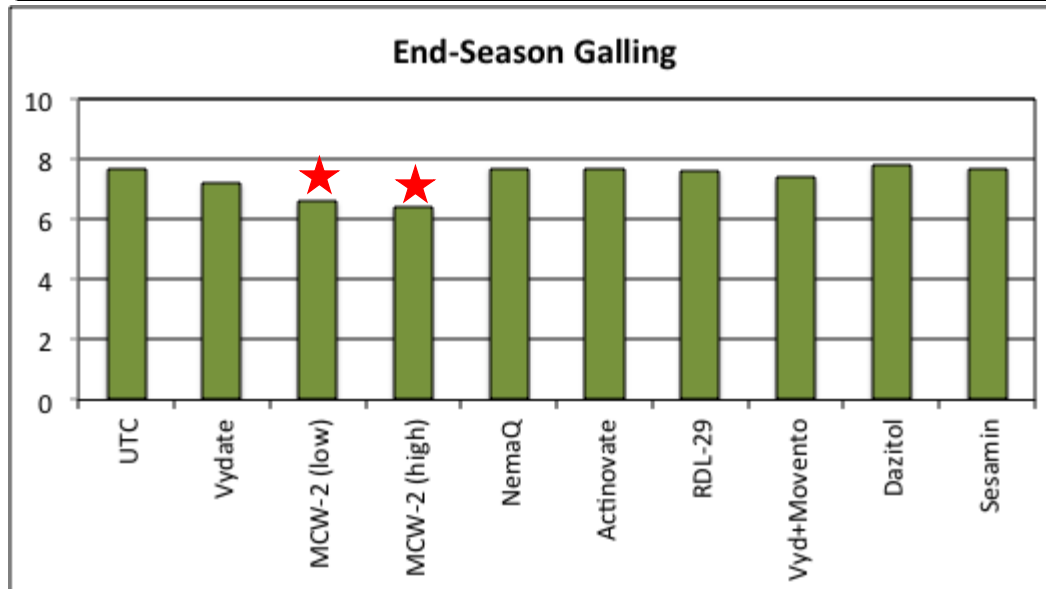
2012

★: lower than UTC at P=0.05

# Processing tomato, Irvine



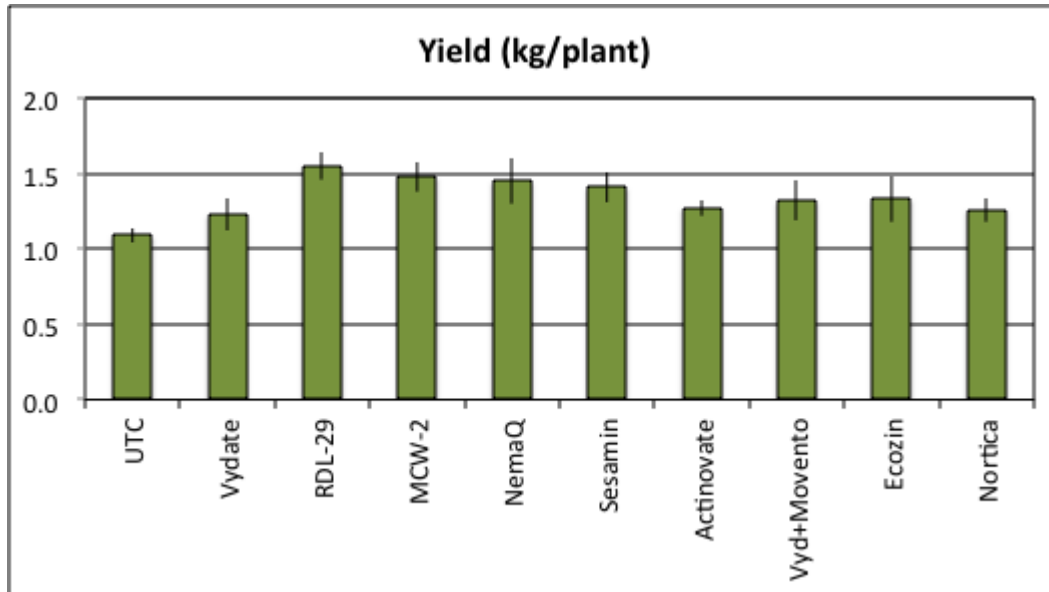
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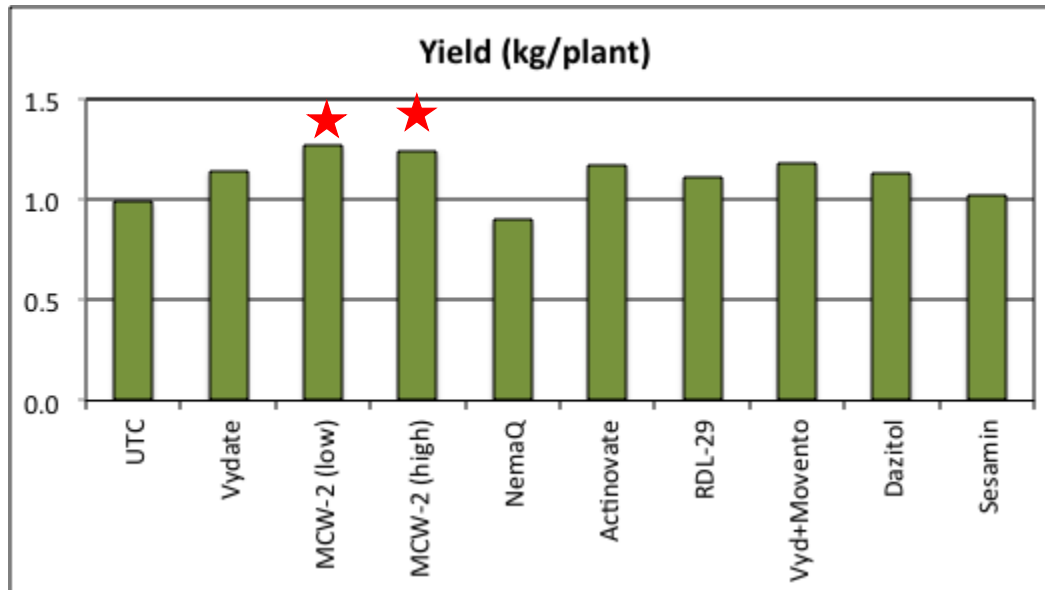
2012

★: lower than UTC at P=0.05

# Processing tomato, Irvine



2011



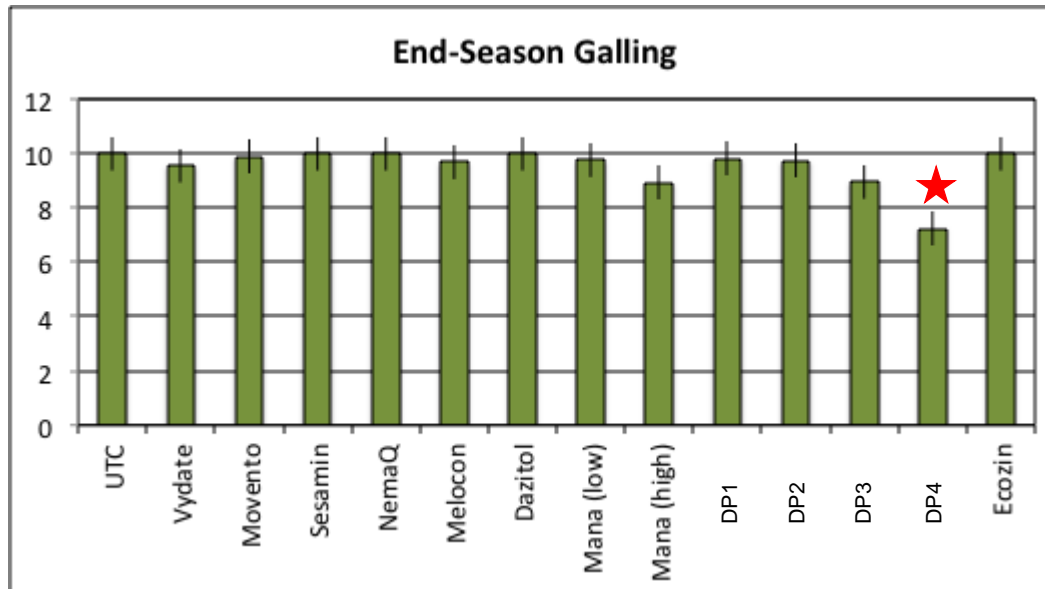
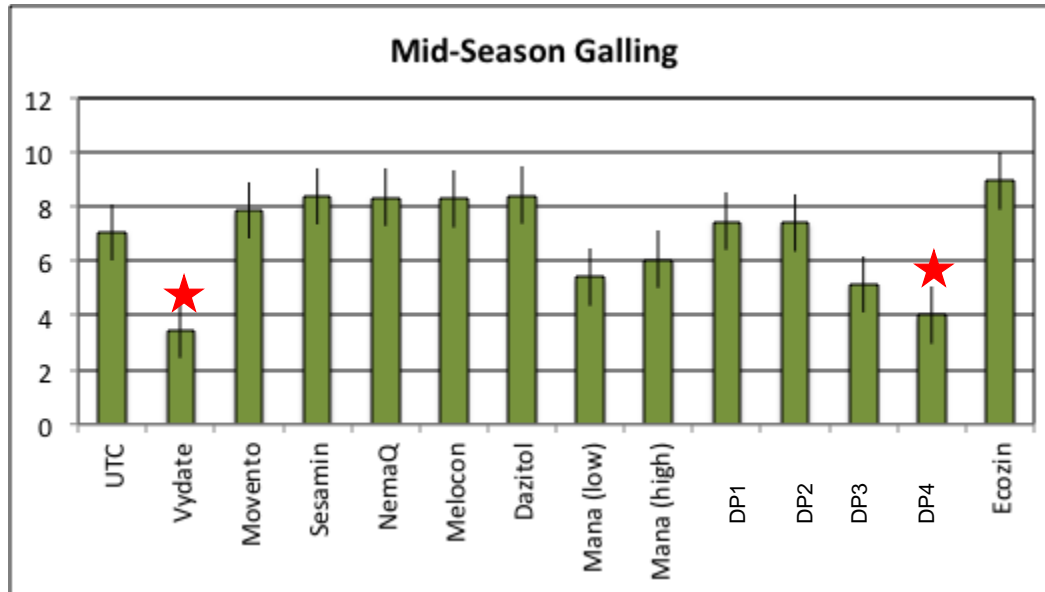
2012

★: higher than UTC at P=0.05

# Shafter Processing Tomato Nematode Trial 2012

		Mid-Season Root Gall Rating*	Last Root Gall Rating
		(7/20/12)	(8/21/12)
1. Control		7.06 ABCD	10.00 A
2. Vydate	3 pt/A	3.48 F	9.56 A
3. Movento	4 fl oz/A x 2 app	7.86 AB	9.88 A
4. Sesamin EC	1 gal/A	8.38 A	10.00 A
5. Nema Q		8.34 A	10.00 A
6. MeloCon	4 lb/A	8.28 A	9.68 A
7. Dazitol		8.42 A	10.00 A
8. MANA rate 1	6.25 liters/Ha	5.40 CDEF	9.76 A
9. MANA rate 2	8.33 liters/Ha	6.06 BCDE	8.92 A
10 DP1	1 pt/A	7.46 ABC	9.80 A
11 DP 2	1 qt/A	7.40 ABC	9.72 A
12 DP 3	1 pt & 0.5 pt post	5.16 DEF	8.96 A
13 DP 4	1 pt & 2 X 0.5 pt post	4.00 EF	7.24 B
14 Ecozin	56 fl oz/A	8.94 A	10.00 A
Prob.=		0.0000	0.0032
% CV=		23.95	10.35
LSD $p=0.05$ =		2.090	1.253

\*Root Gall Rating: 1-10, where 1 equals no gall present and 10 is 100% of root system galled.



★: lower than UTC at P=0.05





**CONTROL**



**VYDATE**





**MCW-2 Low Rate**





**MCW-2 High rate**





**DP 1 pre & 1 post application**



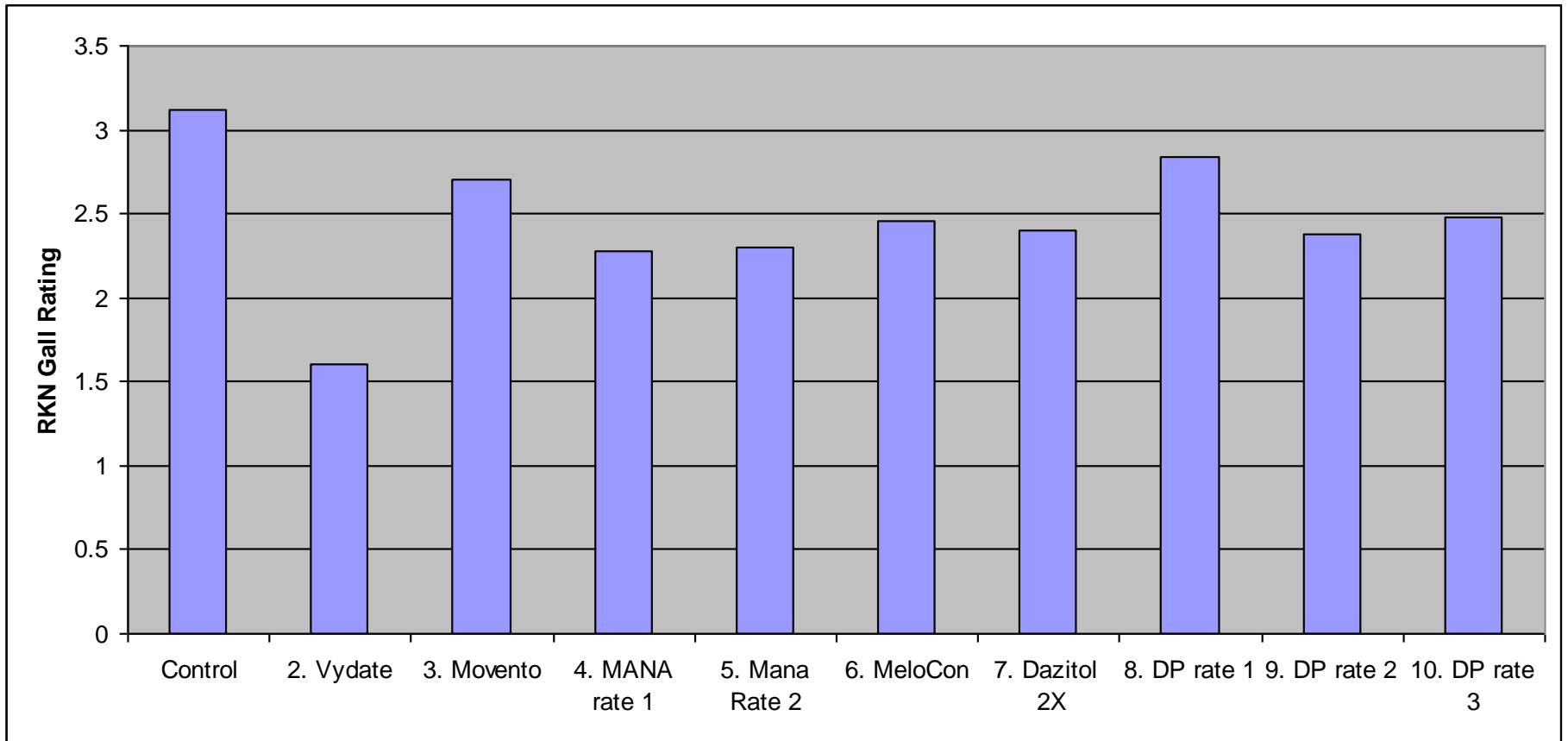


**DP 1 pre & 2 post applications**





# Carrot Nematode Trial 2012



<u>Treatment</u>	<u>Galling Rating*</u>
1. Control	3.120
2. Vydate	1.600
3. Movento	2.700
4. MANA rate 1	2.280
5. Mana Rate 2	2.300
6. MeloCon	2.460
7. Dazitol 2X	2.400
8. DP rate 1	2.840
9. DP rate 2	2.380
10. DP rate 3	2.480
<u>11. Transformer</u>	<u>2.840</u>
P=	0.2012
%CV=	29.80
LSD p=0.05	NS

### Contrast Comparison

Control vs all	P= 0.054	Sum of Squares:	2.177
Control vs Vydate	P= 0.002	Sum of Squares:	5.776
Control vs Mana rate 1	P= 0.081	Sum of Squares:	1.764
Control vs Mana rate 2	P= 0.088	Sum of Squares:	1.681
Control vs Melocon	P= 0.167	Sum of Squares:	1.089
Control vs DP 3	P= 0.180	Sum of Squares:	1.024
Control vs 2, 4, 5 & 6	P= 0.013	Sum of Squares:	3.686

\* Gall Rating: 1= no RKN galling visible, 5 = heavily RKN galled carrot roots