



TOMATO INFO

January 14 Meeting Agenda
Variety Trial Report
Foreman Workshop (Spanish)

GENERAL NOTES

California processing tomato industry reached another record year with 13.3 million tons produced. With a limited water supply, the high water mark for statewide tonnage is remarkable. We can only hope our water supply is replenished in our reservoirs, snow packs and groundwater systems.

Worldwide, the production output for 2009 was estimated to be over 42 million tons. While the California processing tomato industry has grown, the world supply has grown faster. In the past, North American production represented nearly 50% of the world supply. Currently, California accounts for about 30% of the global supply of canning tomatoes, even though output has risen by 50% compared to year 1998. Production worldwide has increased, principally in the northern hemisphere. China is reported to have produced an 8 million ton pack and positioned for more in the near future. Hopefully our domestic consumption increases and international trade is favorable. Source: *Tomato News* from the World Information Center for the Processing Tomato Industry (CMITI).

In the field: The increase in use of buried drip irrigation continues. The industry guess is that statewide, the use of drip irrigation for tomatoes may have tipped beyond 50%, as southern San Joaquin Valley producers may exceed 90% use. Locally, I also can't recall a time of as much drilling activity to establish new wells and to resurrect old wells to secure a supply of water. The level of re-investment into a water supply is considerable.

Many alfalfa fields have been plowed under as the crop has reached some long life in the cycle or has become weak from various factors. The alfalfa stem nematode (*Ditylenchus dipsaci*) caused widespread loss to alfalfa in the spring of 2009. However, growers should not be concerned with this as a tomato pest.

I saw more root knot nematode activity in 2009 than I can recall compared to the past several decades. While nearly all were outbreaks in limited areas of a field, both resistant and susceptible varieties were involved. Perhaps coincidentally, a number of the fields were drip irrigated. Less than a dozen fields are involved and hopefully the spread within and between fields will remain limited. In those drip-irrigated fields with tomatoes in close rotation, without an effective control, the risk would be planting into elevated nematode populations and a likelihood of greater distribution across the field each successive year. With the Mi-resistance breaking nematode population, a few of the fields have been planted to susceptible crops as well as back to tomatoes without major damaging levels. This practice seems wildly bold and would not be a recommendation. The dynamics of nematode suppression in those cases is not clear.

SOUTH SACRAMENTO VALLEY PROCESSING TOMATO PRODUCTION MEETING

University of California Cooperative Extension Farm Advisors
Colusa/Sutter/Yuba and Yolo/Solano/Sacramento Counties

Woodland Community & Senior Center

2001 East Street, Woodland 95776

(From Highway 113, exit on CR 25A, head west to East Street. Right turn on East St. for ~1 mile)
Meeting rooms are located on south side of main building

7:40 am to noon, Thursday, January 14, 2010

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- 7:40- Doors will open — Coffee and refreshments will be ready
- Moderator: Mike Murray, County Director/ Farm Advisor, Colusa/Sutter/Yuba
- 8:20 *Evaluation of Reduced Fall-Timed Tillage:*
Gene Miyao, Farm Advisor, Yolo/Solano/Sacramento counties
- 8:45 *Evaluating fertilizer forms, rates and additives:*
Tim Hartz, Vegetable Crop Specialist, UCD
- 9:05 *Pesticide Regulation Update for Processing Tomatoes:*
Dennis Chambers, Deputy Ag Commissioner, Yolo County.
- 9:40 ————— Short Break —————
- 10:00 *Spotted Wilt Evaluation Update:*
Tom Turini, Farm Advisor, Fresno County.
- 10:25 *Evaluation of double-row tomatoes on 80-inch beds:- A progress report*
Scott Stoddard, Farm Advisor, Merced-Madera counties
- 10:50- *Powdery Mildew Control Update:*
Brenna Aegerter, Farm Advisor, San Joaquin County
- 11:15 *Market Outlook:* OLAM Tomato representative
- 11:40 end

Hall Rental and Refreshments Courtesy of:

Dow AgroSciences (Jill LeVake-Scott)
Syngenta (Josie Hugie)
Bayer (Bob Austin)
Valent USA (JR Gallagher)

BASF (Ben Duesterhaus)
DuPont (Tim Gallagher)
FMC (Mike Howard)

Meeting is open to any interested party. Meeting facility is handicap accessible. 

PCA Credits Requested: 0.5 hour of laws plus 1 hour of other.

MID MATURITY VARIETY TRIAL, LOCAL RESULTS

Our local variety evaluation trial was conducted with Steve Meek and John Pon of JH Meek and Sons in a field between Woodland and Davis. The tomato crop was the first in more than 40 years; and was facilitated with a buried drip irrigation system in this first year. Furrow irrigation had been hard to control in this location with a Capay silty clay soil. The trial was transplanted on April 24 and followed with a timely harvest on August 28 (126 days later).

Yields were very high with moderate Brix levels. Cull levels were low except for blossom end rot, which is unusual for this high fruit-yielding output. Verticillium wilt was prevalent and affected many varieties.

Our test included a comparison of single vs. double plants per transplant plug using varieties AB 2 and Sun 6366. Statistically, the doubles were not advantageous over the conventional single plant in the plug.

Table 1. Yield, fruit quality and cull evaluation from, replicated, mid maturity variety trial, JH Meek and Sons, Woodland/Davis, 2009

Replicated Variety	Yield tons/A	Brix	PTAB color	pH	% pink	% green	% sun burn	% mold	% BER	lbs. per 50 fruit	% stems	
1 HyPeel 849	79.2	a	5.0	24.3	4.43	2	2	2	2	5	7.7	0.0
2 AB 2	77.8	a	4.9	24.3	4.34	3	3	2	3	3	8.0	0.0
3 PX 002	77.2	ab	4.8	23.5	4.45	1	0	2	4	5	8.1	0.5
4 CXD 255	76.5	abc	5.1	24.5	4.38	2	1	4	1	10	7.1	0.5
5 Sun 6366 doubles	73.2	bcd	4.7	23.5	4.47	1	1	4	3	7	6.3	0.0
6 AB 2 doubles	73.1	bcd	5.4	24.3	4.41	0	2	3	1	3	7.0	0.0
7 AB 3	72.5	cde	4.9	24.3	4.41	1	1	4	3	3	6.9	1.0
8 PX 650	70.4	de	5.3	24.8	4.43	2	1	4	1	2	7.7	0.0
9 Sun 6366	69.7	de	5.1	23.0	4.45	4	1	3	4	5	6.7	0.0
10 Nun 6390	68.2	ef	5.0	25.3	4.42	1	1	3	1	2	7.3	0.5
11 H 4007	65.4	fg	4.8	21.8	4.47	1	0	2	1	1	6.3	1.5
12 HMX 7883	63.7	gh	5.3	22.8	4.50	1	0	1	1	3	5.5	0.0
13 H 8504	63.3	gh	5.2	24.3	4.27	2	3	3	1	9	5.9	0.0
14 H 9780	60.1	hi	5.4	23.3	4.32	2	1	1	0	4	6.5	1.5
15 HMX 7885	57.5	ij	5.2	22.4	4.57	0	2	3	1	18	5.9	0.7
16 HM 6898	53.5	jk	5.9	22.5	4.33	0	1	3	2	4	6.5	7.0
17 H 2601	52.1	k	5.4	24.0	4.43	1	2	3	2	8	5.7	0.0
18 HMX 6903	42.7	l	4.9	23.5	4.44	1	2	6	4	12	7.4	0.0
LSD 5%	4.4		0.58	1.9	0.06	NS	NS	NS	2.2	5.4	1.2	NS
% CV	5		8	6	1	155	76	79	83	65	12	358
average	66.5		5.1	23.7	4.02	1.3	1.3	2.9	1.9	5.8	6.8	0.7

Class Comparisons

Single plant vs.	73.8	5.0	23.6	4.40	3.1	1.8	2.5	3.0	4.2	7.3	0.0
vs. Double plants	73.2	5.1	23.9	4.44	0.7	1.5	3.6	2.2	5.0	6.7	0.0
probability	NS	NS	NS	0.04	0.01	NS	NS	NS	NS	0.11	-
F value	0.2	0.1	0.1	4.6	6.4	0.5	1.0	1.1	0.2	2.7	-

Farm Foremen Training (in Spanish only) "Confronting Difficult Situations"

Our office is partnering with UC Farm Labor Management Advisor Greg Billikopf on a farm personnel workshop. Greg is a highly effective, interactive educator who provides management training to front-line foremen. Help improve your field manager's ability to handle difficult personnel issues. *Who should attend:* Spanish-speaking farm foremen, crew leaders, front line supervisors and herd managers.

- ✓ **Date:** Thursday, Jan 21, 2010 from 8:00 AM to 2:30 PM (and includes a provided lunch)
Instruction begins at 8:30 with check-in beginning at 8:00 am.
- ✓ **Location:** UC Cooperative Extension office, 70 Cottonwood Street, Woodland, CA 95695
- ✓ **Who:** Instructors are UC Farm Advisor Gregorio Billikopf and Ryan Boothe
- ✓ **What:** Farm foremen will learn how to confront difficult personnel disciplinary and conflict situations that require effective listening and interpersonal negotiation skills. Topics will include effective listening skills, interpersonal negotiation skills in dealing with conflict and disciplinary situations. Techniques will focus on positive feedback and outcomes.
- ✓ **How:** Training will be a hands-on, interactive seminar in a Spanish-only presentation format

Cost = \$35 per person includes lunch and a reference booklet (\$25 per person if postmarked on or before January 8). Send check payable to: UC Regents

Send to Gene Miyao, UC Cooperative Extension, 70 Cottonwood Street, Woodland, CA 95695

Company _____

Address _____ (City) _____ (zip) _____

Telephone contact # () _____

Name of each attendee (print) _____

Name of each attendee (print) _____

Each attendee x \$25 = _____ (postmarked on or before January 8 2010)

Each attendee x \$35= _____ (postmarked after January 8, 2010) **Cut off is Jan 15th**

DIRECTIONS: <http://ceyolo.ucdavis.edu/sbdisplay/directions.cfm?county=2557>

From Sacramento: Head on I-5 north to Woodland. Exit at West St. Turn left on West St. and go back over the freeway. Turn right onto Kentucky Ave. Turn left on N. Cottonwood St. The UCCE building is on the right-hand side of the street.

From Redding Head on I-5 south to Woodland. Exit at West St. Turn right onto West St. Turn right on Kentucky Ave. Turn left onto N. Cottonwood St. The UCCE office is on the right-hand side of the street.

From San Francisco Use I-80 east towards Sacramento. Continue beyond past Dixon and exit at Pedrick Road. Turn left and go over overpass. Stay on Pedrick Road for ~13 miles. Turn right onto Main Street and turn left onto Cottonwood Street. The UCCE office is 3 blocks up, on the left-hand side of the street.

Meeting is located at 70 Cottonwood Street, Woodland, CA 95695.

Telephone (530) 666-8143 if lost or need further directions.

Upcoming Tomato Meetings:

- ✓ 14 January 2010 (Thurs) S. Sacramento Valley Processing Tomato Production Meeting, Woodland Community & Senior Center, 2001 East Street, Woodland, 95776
- ✓ 13 January 2010 (Wed) Tomato Research Day (processing/canning technology), Mondavi Institute Sensory Theater, UC Davis. 8 AM to 5 pm. Registration required, \$50.
http://www.fruitandvegetable.ucdavis.edu/Cooperative_Extension_Short_Courses/Tomato_Research_Day.htm
- ✓ 21 January 2010 (Thurs) 8 am to-2:30 pm. Personnel Management Training for farm foremen on *Confronting Difficult Situations (in Spanish only)*. UC Coop Extension office, Woodland. Pre-registration required, \$35. \$10 discount with early registration. **Note:** Sign-up closed after Jan 15th.
- ✓ 27 January 2010 (Wed)- N. San Joaquin Valley processing tomato production meeting (AM), follows with CA Tomato Growers Association meeting (late AM-early PM), DoubleTree Hotel, 1150 9th St, Modesto.
- ✓ 2-3 Feb 2010 (Tues-Wed) - CA League of Food Processors Showcase, Sacramento Convention Center, 1400 J Street, Sacramento. Registration required.
- ✓ 5 March 2010 (Friday) -Rodent control workshop: Gophers and Voles/Mice. UC Cooperative office, Woodland. Morning meeting. Agenda to be announced.

Note: Our Woodland office will be closed for holidays & for furloughs from Monday, Dec 21 through Monday, January 4, 2010.

Best wishes for a Happy Holiday Season,

Gene Miyao
Farm Advisor, Yolo, Solano & Sacramento counties



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