

Between the Furrows

A Santa Cruz County Farm Bureau Monthly Publication

AUGUST 2018
VOLUME 42, ISSUE 8

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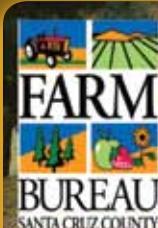


Between The Furrows is a monthly publication of the SCCFB. Members receive a subscription as part of their membership investment.

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Another Great Golf Tournament!

A photograph of a golf course showing several people playing golf. In the foreground, a man is putting. In the background, there are two white golf carts and some trees. Overlaid on the image is text and balloons. The balloons have the number '25' on them, indicating the 25th anniversary. The text reads: "25th Anniversary Santa Cruz County Farm Bureau Golf Tournament".

25th Anniversary
Santa Cruz County Farm Bureau
Golf Tournament

Tournament Team Winners

1st Place Gross: California Giant Berry Farms

1st Place Net: Dobler & Sons, Inc.

2nd Place Net: Crop Production Services

3rd Place Net: Naturipe

Closest to the Pin: Men - Kyle Coolidge, 8' 4"

Women: Effie Anastassiou 23' 10"

Longest Drive: Kyle Coolidge



President's Message

THOMAS BROZ, PRESIDENT

"Going it alone is too difficult. As farmers, we are too few and the issues affecting agriculture too many to be fractioned by farm size, farming methods or type of crops we are growing – ultimately we are all in it together to support the interests of agriculture.. "



Join Santa Cruz County Farm Bureau - It's Essential You Are Involved!!

On our farm, the summer harvest of apples, tomatoes, peppers, berries, and a dozen other crops, is in full swing while fields are already being prepared and planted for fall and winter production. This is the most bountiful time of the season ,and as farmers it's easy to feel overwhelmed as there are never enough hours in a day to keep up with all the tasks at hand. It is now that we expect our efforts to pay off and no farmer can afford, during this short and abundant period of the season, for things to go wrong - the risk of economic loss is too high. Most of us have little time to pay attention to issues affecting agriculture beyond our farm gate, so I was glad when a couple of days ago I received an e-mail alert from California Farm Bureau to oppose a House Bill (H.R.6417) trying to establish a flawed agriculture guest-worker program. I was able to quickly voice my opinion with an e-mail reply to Congressman Panetta. Farm Bureau works hard to formulate an expanded guest worker program and a path to legal status for individuals currently working in agriculture. Nowhere is this more important than in Santa Cruz County where the majority of crops are labor intensive. As much as we believe in the promise of new technologies, crops don't grow by themselves and will always require hand labor. We benefit from more automated irrigation, harvest, or precision cultivation equipment. It makes the relentless and exhausting field work easier and more efficient, but at the end of the

day all technologies are tools requiring people, and there is no doubt in my mind that when it comes to growing food, people are irreplaceable.

Going it alone is too difficult. As farmers, we are too few and the issues affecting agriculture too many to be fractioned by farm size, farming methods or type of crops we are growing – ultimately we are all in it together to support the interests of agriculture. Being a member of Santa Cruz County Farm Bureau allows me to stay involved with the bigger picture issues affecting agriculture, whether it's labor,

[President's Message - Continued on Page 6](#)

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**The Santa Cruz County Fair Is Coming!
Bounty of the County**

September 12 - 16, 2018



**Wednesday, September 12, 2018
Apple Pie Baking Contest**

Contest begins at 12:00 noon at Paddy Smith Park

Entry information can be found at:

<https://www.santacruzcountyfair.com/fair-time/attend/2018-entry-guides>

Opening Day Barbecue

12 noon at Paddy Smith Park

**Menu: Tri-Tip, Beans, Salad and French Bread
Coffee, Iced Tea or Lemonade**

Adults: \$16, Seniors: \$15

Children: \$10 (Ages 5-12)



Participate in Santa Cruz County's AgTech Conversation

The Santa Cruz County AgTech Meetup was formed in March, 2015, to facilitate the conversation between produce growers-shippers, and technologists in Santa Cruz county. We meet every other month with an agenda that rotates to reflect the "process" growers-shippers go through.

- August - Harvesting
- October - Processing & Shipping
- December - Planning and Resource Allocation
- February - Land Preparation
- April - Planting
- June - Production

The Meetups are organized by Jacob Martinez of Digital Nest and Khaled Mabrouk of Sustainable Productivity Solutions.

The meetups are held in Watsonville on the last Wednesday of the month from 5:30pm to 7:30pm. Food & Refreshments are provided and the speakers start at 6pm.

Please attend and promote attendance to these unique AgTech conversations. More information can be obtained at: <https://www.meetup.com/Santa-Cruz-County-Ag-Tech-Meetup/>

THE WATER NANNY

Pencil Pushers

The passage of time brings many changes. *"I know of no pursuit in which more real and important services can be rendered to any country than by improving its agriculture, its breed of useful animals, and other branches of a husbandman's cares."* (George Washington, 1794) As the country expanded west every other section of land along the Transcontinental Railroad was dedicated to funding Land Grant Colleges, specializing in the main industry of the time, agriculture.

Two percent of the population is now directly involved in farming. How farming is viewed has changed as well. *"Farming looks mighty easy when your plow is a pencil, and you're a thousand miles from the corn field."* (Dwight Eisenhower, 1956)

We have a short window to change the perception of those pencil pushers if vegetable farming is to remain viable on the Central Coast. There is a real problem with excess nitrogen (N) fertilizer ending up in the groundwater. Manufactured fertilizer was the cheapest form of crop insurance, use a little more to be sure of a great crop. Unfortunately, much of the excess percolates below the crop roots.

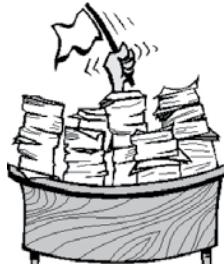
We now have to dial back to more closely approach what the crop needs. Our Regional Water Board has one view on how to do this, maybe farmers should promote an alternative to reach the same objective.

State Water Board: This became mandated by the State Water Board this winter. They require each field or ranch to track the amount of nitrate fertilizer applied, from all sources, with the amount removed at harvest. The idea is to approximate the residual N that could be available to subsequent crops or leach eventually into groundwater.

Central Coast Water Board staff sent a letter, which was later rescinded, to the region's largest growers which purported to require them to track every single planting on a 150 acre portion of each of their large farms for one year starting on July 1, 2018 through June 30, 2019. For each planting the grower had to track and report the following: 1) General information, 2) N in irrigation, 3) N applied, 4) information for each planting, no combining of multiple

planting of the same crop, 4) each planting and harvest, 5) total crop acres, 6) N in soil, 7) organic or conventional, 8) average N in irrigation (mg/L) by crop, 9) irrigation NO₃ units, irrigation volume per crop (for each planting), 10) % irrigation runoff, 11) reference ET₀ (inches) for each crop, 12) crop coefficient, that is N removed at time of harvest, 13) crop ET_c for each crop, 14) predict the crop N uptake, 14) % N content in crop harvest material (per Wet Material), 15) N value of crop harvest material per acre, 16) units of crop harvest, 17) weight of each unit harvested, 18) weight of each unit by acre, 18) N removed at harvest (lbs./crop acre), and 19) N residual applied minus removed by crop acre. Note: the percent of N content in the harvested crop material must be determined by a certified lab for each crop harvested, so a sample of undetermined size must be taken and paid to be analyzed. Every lab on the Water Board approved list all is unable to perform this service. All this data would then be input into a state database which would become a public record.

Agriculture needs to propose a viable alternative. To meet the State Board's mandate the minimum reporting must include all N inputs for a ranch from all sources and the cumulative N removed during the year at harvest for each crop type in order to estimate the balance of N remaining that could be denitrified in the soil or leach into groundwater at the end of the season. The rest is not relevant to the objective. This is scientifically defensible and a lot easier than the Regional Board's withdrawn mandate. *"A man who procrastinates in his choosing will inevitably have his choice made for him by circumstance."* (oddly by Hunter S.Thompson)





FAVORITE RECIPES

Strawberry Spinach Salad with Mango & Avocado

This recipe comes from the Naturipe Farms Pinterest page. This is a great place to find delicious recipes using strawberries, raspberries, blueberries, blackberries and avocados. Just go online to Pinterest and search Naturipe Farms!!

BALSAMIC VINAIGRETTE:

1/2 cup olive oil
1/4 cup balsamic vinegar
3 Tablespoons brown sugar
1 1/2 teaspoons garlic powder
1 teaspoon mustard powder
1 teaspoon onion powder
garlic salt or garlic powder, to taste
salt and pepper, to taste

STRAWBERRY SPINACH SALAD:

10 ounces baby spinach fresh (about 10 cups, torn)
4 cups strawberries, cleaned and hulled, freshly sliced
1 avocado, chopped
1 cup blueberries
1 mango, sliced
1/4 cup cashews



INSTRUCTIONS:

In a medium bowl, combine the dressing ingredients and whisk together well. Add salt and pepper to taste. You can serve the dressing immediately or you can cover it and chill for an hour. In a large bowl, combine all of the salad ingredients, except the cashew nuts. Add the dressing to the salad and toss. Sprinkle cashew nuts on top of the salad. Serve and Enjoy!

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MORE NEWS



JEANNIE WITMER MEMORIAL SCHOLARSHIP APPLICATIONS AVAILABLE

The Jeannie Witmer Memorial Scholarship is a \$1,000 award for a student who has participated in the California High School Rodeo Association, District 4 or a California 4-H Horse program within the same geographical boundaries – Alameda, Contra Costa, Monterey, San Benito, Santa Clara, Santa Cruz, San Francisco, and San Mateo counties.

This scholarship can be used at a college or professional technical school of choice. Selection will be based on the student's scholastic record, special activities, personal history, letters of recommendation and financial need.

Applications are available at the Agri-Culture office, 141 Monte Vista Ave, Watsonville, CA 95076, or online at www.agri-culture.us.

Application deadline for this scholarship is **Wednesday, August 15, 2018**.

If you would like additional information about this scholarship, contact Agri-Culture at: **(831) 722-6622**. or email agri-culture@sbcglobal.net.

2018 Calendar of Events

Santa Cruz County Farm Bureau

Santa Cruz County Fair

September 12 through September 16, 2018

Annual Directors' Dinner

Location to be determined

November 1, 2018

5:45 p.m.

CFBF 100th Annual Meeting

Reno, NV

December 4 through December 7, 2018

Agri-Culture

10th Annual Testicle Festival

Estrada Deer Camp

August 18, 2018

3:00 p.m. to 7:00 p.m.

22nd Annual Progressive Dinner

Location: Top Secret!

October 27, 2018

3:00 p.m. to 9:00 p.m.

President's Message - Continued from Page 2

affordable farm worker housing, water supply, energy and technology, farmland protection, conservation or trade (just to name a few). It is through organizations like Farm Bureau that we find strength in the unity of our interests and I encourage everyone who is already a member of SCCFB to spread the word and encourage others to join as well. Ultimately we all eat and have a stake in keeping our county's agriculture vibrant and healthy.

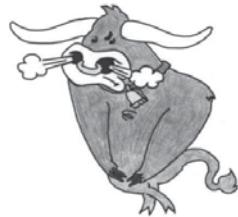
Hope you all continue to have a great summer and see you at the Santa Cruz County Fair next month.



"Common sense is genius dressed in its working clothes."

Ralph Waldo Emerson

10TH ANNUAL TESTICLE FESTIVAL

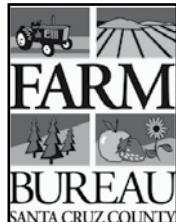


Santa Cruz County Farm Bureau



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Young Farmers & Ranchers 10th Annual Fundraiser Barbeque



"Do they really taste like chicken?"

Saturday, August 18, 2018

Estrada Deer Camp
196 Hazel Dell Rd., Watsonville
3:00 PM – 7:00 PM



"Communicating Agriculture"

Hors d'oeuvres: Rocky Mountain Oysters – All you can eat!

Dinner: Chicken, Salads, Bread & Dessert



\$50 Adults
\$20 Children ages 5 – 12
Under 5 Free



Beer & Wine, Hors d'oeuvres, Silent Auction Open.....3:00 PM
Dinner, Raffle, Live Auction.....4:45 PM

RSVP to get your tickets by Friday, August 10th.

*Checks Payable to: Agri-Culture ATTN: YF&R, 141 Monte Vista Ave., Watsonville, CA 95076 -
Tickets are also available at the Agri-Culture Office (831) 722-6622, from YF&R members or
online at www.eventbrite.com. Questions? Please email YF&R at sccfb@sbcglobal.net.*

CFBF

FARM TEAM ALERT

Voice Your Opposition to Immigration
Legislation that Hurts California

The U.S. House of Representatives could soon take up legislation that would establish a deeply flawed new agricultural guest worker program with the mandatory use of E-Verify. The bill is H.R. 6417, or the Ag and Legal Workforce Act (ALWA).

Reform of the nation's immigration laws is a top priority for CFBF and our members. We support an expanded guest worker program and a path to legal status for individuals currently working in agriculture. Unfortunately, ALWA falls far short of a solution for our farmers and employees. We are calling upon our congressional delegation to oppose bringing this bill to the floor for a vote.

Your message to Congress will encourage them to oppose this bill that hurts California! ACT TODAY!

I'm a Farm
Bureau
Member
because...



"Farm Bureau has an excellent record of bringing together farmers, ranchers and timber owners. The staff at CFBF were key to getting log truck operators exemptions to the truck rule at ARB."

Matthew Bissell, Timber

SCCBF Past President & Past CFBF District 10
Director

Fumigation Season Update



As the harvesting season progresses and the days begin to get shorter, you may be looking ahead and beginning to plan for next year's planting season and field soil fumigation may be on your list of things to do. This year specific conditions for the use of field soil fumigants in Santa Cruz County remain mostly unchanged from last year with the exception of the tables used to determine buffer zones for products containing chloropicrin and Emergency Response requirements. Late last year, the California Department of Pesticide Regulation (DPR) required product registrants to amend chloropicrin product labels with California-specific use directions. Product labels now include a section titled "For Applications in California Only." These specific use directions require that applicators use buffer zone tables and restrictions specified at www.cdpr.ca.gov/chloropicrin.htm. The use of these tables will create very minimal changes in buffer zones size determinations and under most circumstances the buffer zone determinations using the DPR tables are exactly identical in size when compared to those found on the product labels. Applicators are required to use these new tables and follow the new restrictions in addition to Santa Cruz County specific product use conditions. This year county conditions will also require the certified applicator for the fumigating company to take additional steps and actions when evaluating a field situation where a fumigant tarp has become damaged. The intent of this requirement is to expand on the product label required Emergency Response Plan by providing additional direction to the certified applicator to implement increased safety measures in emergency situations to help keep people safe. The safety measures that will be implemented may vary depending on the site location and specific situation after the certified applicator has notified the Agricultural Commissioner's Office of the incident. Safety measures that may be implemented include the requirement for the certified applicator to conduct field monitoring, setting a safety zone in the affected area to prevent exposure risk to people in the surrounding area, and initiate tarp repair, if possible, to mitigate risk of exposure.

More specific details regarding these requirements can be found in this year's county conditions. Conditioning the use of field soil fumigants is done with one important concept in mind: the SAFETY of pesticide handlers, fieldworkers and other bystanders. Please do not hesitate in contacting us with questions and clarifications regarding this year's requirements. Working closely with your Pest Control Adviser is also essential as you discuss current and new requirements and begin to make preparations for field soil fumigations. Finally, keep in mind the importance of COMMUNICATING with neighboring growers, field supervisors, and fieldworkers about your fumigation plans to help ensure their SAFETY.

Weekly Irrigation Schedule: Continued from Page 9

For each combination, the table gives maximum and average irrigation required for dripline flow rates. The average value is what should be applied under most conditions, based on the average weekly evapotranspiration and a well maintained and operated drip irrigation system. The maximum value would only be during periods of extremely high evapotranspiration corresponding to hotter and/or windier than average conditions. The maximum was calculated based on the 20 year maximum and low irrigation system efficiency. Do not exceed the recommended hours of irrigations unless your are over irrigating for a specific purpose such as leaching salts.

Table Use Assumptions

- The drip system is run at its operating pressure, usually 8-10 psi. This table does not provide guidance to determine the acreage that can be irrigated for a given pump.
- Strictly limited to strawberries grown in 48" or 52" beds with two rows per bed with plants spaced about 14 inches apart.
- The crop is planted in the second week of November and terminated at the end of October, thus the irrigation requirements for the second, third and fourth week of November refer to new plantings.

Quick Reference Guide Weekly Irrigation Schedule for Strawberries in the Pajaro Valley

Weekly Irrigation Requirements for Strawberries in the Pajaro Valley*

Week	Month	48-inch beds					
		0.4 gpm/100 ft flowrate		0.5 gpm/100 ft flowrate		0.67 gpm/100 ft flowrate	
		Average	Maximum	Average	Maximum	Average	Maximum
1	Jan	--- 10 min	--- 15 min	--- 10 min	--- 10 min	--- 5 min	--- 10 min
2		--- 15 min	--- 25 min	--- 10 min	--- 20 min	--- 10 min	--- 15 min
3		--- 15 min	--- 30 min	--- 15 min	--- 25 min	--- 10 min	--- 15 min
4		--- 15 min	--- 25 min	--- 15 min	--- 20 min	--- 10 min	--- 15 min
5	Feb	--- 20 min	--- 35 min	--- 20 min	--- 25 min	--- 15 min	--- 20 min
6		--- 25 min	--- 50 min	--- 20 min	--- 40 min	--- 15 min	--- 30 min
7		--- 30 min	--- 40 min	--- 25 min	--- 35 min	--- 20 min	--- 25 min
8		--- 35 min	--- 55 min	--- 30 min	--- 45 min	--- 20 min	--- 35 min
9	Mar	--- 45 min	1 hrs 20 min	--- 35 min	1 hrs 5 min	--- 30 min	--- 50 min
10		1 hrs	1 hrs 25 min	--- 50 min	1 hrs 10 min	--- 40 min	--- 50 min
11		1 hrs 15 min	1 hrs 50 min	1 hrs ---	1 hrs 30 min	--- 45 min	1 hrs 5 min
12		1 hrs 25 min	2 hrs ---	1 hrs 10 min	1 hrs 35 min	--- 50 min	1 hrs 10 min
13		1 hrs 50 min	2 hrs 25 min	1 hrs 30 min	2 hrs ---	1 hrs 5 min	1 hrs 30 min
14	Apr	2 hrs 5 min	3 hrs ---	1 hrs 40 min	2 hrs 25 min	1 hrs 15 min	1 hrs 45 min
15		2 hrs 30 min	3 hrs 15 min	2 hrs ---	2 hrs 35 min	1 hrs 30 min	2 hrs ---
16		2 hrs 50 min	3 hrs 45 min	2 hrs 15 min	3 hrs ---	1 hrs 40 min	2 hrs 15 min
17		3 hrs 15 min	4 hrs 45 min	2 hrs 35 min	3 hrs 45 min	1 hrs 55 min	2 hrs 50 min
18	May	3 hrs 40 min	5 hrs 15 min	2 hrs 55 min	4 hrs 10 min	2 hrs 10 min	3 hrs 10 min
19		3 hrs 55 min	5 hrs ---	3 hrs 10 min	4 hrs	2 hrs 20 min	3 hrs ---
20		4 hrs 5 min	5 hrs 30 min	3 hrs 15 min	4 hrs 25 min	2 hrs 25 min	3 hrs 20 min
21		4 hrs ---	4 hrs 55 min	3 hrs 15 min	3 hrs 55 min	2 hrs 25 min	2 hrs 55 min
22	Jun	4 hrs 30 min	6 hrs 15 min	3 hrs 35 min	5 hrs ---	2 hrs 40 min	3 hrs 45 min
23		4 hrs 45 min	6 hrs 40 min	3 hrs 45 min	5 hrs 20 min	2 hrs 50 min	4 hrs ---
24		5 hrs 5 min	6 hrs 30 min	4 hrs 5 min	5 hrs 10 min	3 hrs ---	3 hrs 55 min
25		5 hrs 5 min	6 hrs 55 min	4 hrs 5 min	5 hrs 30 min	3 hrs 5 min	4 hrs 10 min
26		5 hrs 15 min	6 hrs 45 min	4 hrs 10 min	5 hrs 25 min	3 hrs 10 min	4 hrs 5 min
27	Jul	5 hrs 5 min	6 hrs 45 min	4 hrs 5 min	5 hrs 25 min	3 hrs 5 min	4 hrs ---
28		5 hrs 10 min	6 hrs 50 min	4 hrs 5 min	5 hrs 30 min	3 hrs 5 min	4 hrs 5 min
29		5 hrs 5 min	6 hrs 40 min	4 hrs 5 min	5 hrs 20 min	3 hrs 5 min	4 hrs ---
30		4 hrs 40 min	6 hrs 40 min	3 hrs 45 min	5 hrs 20 min	2 hrs 50 min	4 hrs ---
31	Aug	4 hrs 50 min	6 hrs 40 min	3 hrs 50 min	5 hrs 20 min	2 hrs 55 min	4 hrs ---
32		5 hrs ---	7 hrs 10 min	4 hrs ---	5 hrs 45 min	3 hrs ---	4 hrs 15 min
33		4 hrs 40 min	6 hrs 35 min	3 hrs 45 min	5 hrs 15 min	2 hrs 50 min	3 hrs 55 min
34		4 hrs 35 min	6 hrs 30 min	3 hrs 40 min	5 hrs 15 min	2 hrs 45 min	3 hrs 55 min
35	Sep	4 hrs 50 min	6 hrs 15 min	3 hrs 55 min	5 hrs ---	2 hrs 55 min	3 hrs 45 min
36		4 hrs 55 min	6 hrs 55 min	3 hrs 55 min	5 hrs 30 min	2 hrs 55 min	4 hrs 10 min
37		4 hrs 15 min	5 hrs 35 min	3 hrs 25 min	4 hrs 30 min	2 hrs 35 min	3 hrs 20 min
38		4 hrs 15 min	5 hrs 45 min	3 hrs 25 min	4 hrs 35 min	2 hrs 35 min	3 hrs 25 min
39		3 hrs 50 min	5 hrs 30 min	3 hrs 5 min	4 hrs 25 min	2 hrs 20 min	3 hrs 20 min
40	Oct	4 hrs 5 min	6 hrs 10 min	3 hrs 15 min	5 hrs ---	2 hrs 25 min	3 hrs 45 min
41		3 hrs 45 min	4 hrs 55 min	3 hrs ---	4 hrs ---	2 hrs 15 min	3 hrs ---
42		3 hrs 20 min	4 hrs 40 min	2 hrs 40 min	3 hrs 45 min	2 hrs ---	2 hrs 50 min
43		3 hrs 5 min	5 hrs 10 min	2 hrs 30 min	4 hrs 10 min	1 hrs 50 min	3 hrs 5 min
44	Nov	2 hrs 45 min	3 hrs 50 min	2 hrs 10 min	3 hrs	1 hrs 40 min	2 hrs 15 min
45 new crop		--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
46		--- 5 min	--- 10 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
47		--- 5 min	--- 10 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
48	Dec	--- 5 min	--- 10 min	--- 5 min	--- 10 min	--- 5 min	--- 5 min
49		--- 5 min	--- 10 min	--- 5 min	--- 10 min	--- 5 min	--- 5 min
50		--- 5 min	--- 10 min	--- 5 min	--- 10 min	--- 5 min	--- 10 min
51		--- 10 min	--- 15 min	--- 5 min	--- 10 min	--- 5 min	--- 10 min
52		--- 10 min	--- 20 min	--- 10 min	--- 15 min	--- 5 min	--- 10 min

*See reverse page for instructions and limitations. The weekly irrigation should be divided into three to four times per week.

This table provides the average and maximum weekly hours of irrigation needed for strawberry crops in the Pajaro Valley, based on the evaluation of weekly weather conditions over the past 20 years and average irrigation system efficiency. The weekly irrigation should be divided into three to four times per week.

Continued on Page 8

"Agriculture, the Original Green"



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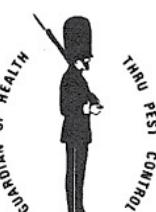
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CALENDAR

WEDNESDAY - AUGUST 8
Young Farmers & Ranchers
meeting

MONDAY - AUGUST 13
Public Relations &
Information Committee
meeting

SATURDAY - AUGUST 18
10th Annual Testicle Festival
and "It's All In The Sauce"
Contest

THURSDAY - AUGUST 23
Agricultural Policy Advisory
Committee meeting

FRIDAY - AUGUST 29
Focus Agriculture, Session 7

THURSDAY - AUGUST 30
Board of Directors meeting

WEDNESDAY - SEPT. 5

- Legislative Committee
meeting
- Executive Committee
meeting
- Membership Committee
meeting

MONDAY - SEPT. 10
Public Relations &
Information Committee
meeting

WEDNESDAY - SEPT. 12
Young Farmers & Ranchers
meeting

THURSDAY - SEPT. 27
Agricultural Policy Advisory
Committee meeting

THURSDAY - SEPT. 27
Board of Directors meeting

FRIDAY - SEPT. 28
Focus Agriculture, Session 8

Between the Furrows

A Santa Cruz County Farm Bureau Monthly Publication

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