

# Between the Furrows

A Santa Cruz County Farm Bureau Monthly Publication

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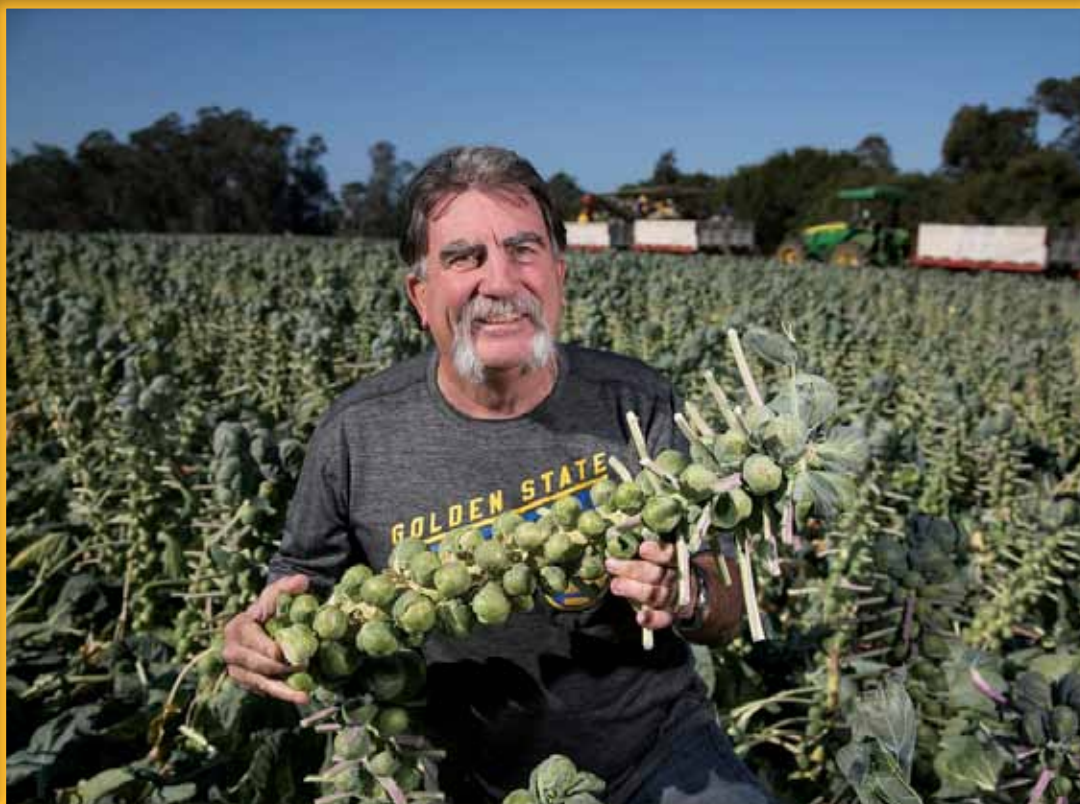
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## Steve Bontadelli Named "Farmer of the Year"

101st Annual Meeting Held at UCSC's Cowell Ranch Hay Barn



**S**teve Bontadelli was selected by the Santa Cruz County Farm Bureau as the 2018 "Farmer of the Year". This award is presented annually to the farmer(s) who have contributed beyond their normal farming duties to help the community. The presentation was made during the Farm Bureau's 101st Annual Meeting/Dinner held at UCSC's Cowell Ranch Hay Barn in Santa Cruz. The board of directors felt it was appropriate to honor Steve because of his leadership in the Brussels sprout industry, along with all of his involvement in the community which includes countless volunteer hours, making donations, as well as raising large sums of capital for a variety of purposes.

The theme of the evening was "Agriculture

– North to South, Keep Santa Cruz Thriving." A presentation on this theme was made by **Thomas Broz**, President, Santa Cruz County Farm Bureau, and **Daniel Press**, Professor of Environmental Studies, Executive Director, Center for Agroecology and Sustainable Food Systems. President Broz also highlighted some of the accomplishments of the Santa Cruz County Farm Bureau over the past year.

Other activities of the Annual Meeting included the election of directors and officers. There are a total of 19 directors on the board. The following directors and officers were elected to fill vacancies from those whose terms expired. All newly elected terms commence on November 1, 2018.

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VISIT OUR WEBSITE AT [WWW.SCCFB.COM](http://WWW.SCCFB.COM)



# President's Message

THOMAS BROZ, PRESIDENT

**"There is a disconnect in understanding the realities of farming and the many challenges agriculture is facing whether labor, affordable housing, climate change, water, land, trade tariffs, or regulations that could affect the cost and abundance of our food supply."**

## 101st Anniversary Celebration Keep Agriculture Thriving

Our 101<sup>st</sup> anniversary celebration fell on this year's Summer Solstice. It was a fun and well attended event on a warm sunny evening at the beautifully renovated Cowell's Hay Barn overlooking the Monterey Bay at the entrance of UCSC's campus.

I want to share a few highlights on the theme of the evening: "Agriculture - North to South, keeps Santa Cruz thriving."

Our annual celebration is testimony that agriculture is the cornerstone of our communities well-being, and the numbers show it. According to the Annual Crop Report, agriculture provides over 10,000 jobs with an economic output close to \$1.5 billion when adding up crop production and food processing values and the indirect output (multiplier effect) of business networks that supply and provide services to agriculture.

Whether one enters the county from the north or the south, people are attracted by the scenery of our county's working agricultural lands, visiting from all over the country and the world. Although strawberries, blackberries and raspberries lead the way in being the top economic crops, when one looks closer, it is agriculture's incredible diversity that keeps it healthy and resilient. We have all sizes of farms, nurseries, and ranches producing dozens of agricultural commodities grown both organically and conventionally.

Although people enjoy shopping at farmer's markets, eating out at restaurants, enjoying year round abundance when they shop at their grocery stores, or order food on-line to have it delivered to their doorsteps, there is a disconnect and misunderstanding about where that food comes from and how it is grown or produced.

There is a disconnect in understanding the realities of farming and the many challenges agriculture is facing whether labor, affordable housing, climate change, water, land, trade tariffs, or regulations that could affect the cost and abundance of our food supply.

President's Message - Continued on Page 5

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ALTERNATE STATE DELEGATE, TIMBER

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# ASK LAURA

Laura Tourte, Farm Management Advisor, UCCE

## Agricultural Labor Issues?

**Q:** I hear so much about agricultural labor. Could you please help me understand some of the issues?

**A:** Labor issues are multifaceted and complex. The agricultural labor situation along the Central Coast and elsewhere in California is, to quote one agricultural leader, "beyond critical". Here are some of the reasons why\*.

The fresh market crops that dominate agricultural production along the Central Coast are labor intensive.

Weeding, pruning and training, irrigation and harvest are examples of practices that are especially labor intensive.

Labor represents between almost 30 and 60 percent of total production and harvest costs, depending upon the crop and crop cycle. It may be even higher for some crops grown elsewhere in California.

Labor costs are rising, in part because of changing regulations associated with minimum wage, overtime, health care and paid sick leave, but also because of a shortage of workers.

Immigration constraints and tightened border enforcement have reduced the number of agricultural workers from Mexico—the primary source of labor—that are seeking work in the area and state. The expanding agricultural industry in Mexico has also reduced the number of workers seeking employment here.

The agricultural labor force is aging and more settled, and have families and other connections to local communities. Because of this, experienced workers do not migrate with the crop production and harvest cycles as often as in the past.

Most harvest and other labor intensive practices for fresh market crops have not yet been highly mechanized or automated because of important "sensory attributes"—particularly sight and touch—that humans bring to agricultural work. Public and private research efforts are underway to mechanize or automate some of these practices. Mechanical aids are also being used if available, or being developed, with the goal of improving labor efficiency.

Affordable housing for farm workers is often lacking or constrained. Efforts to address housing issues are in discussion and in progress in the area.

Some of the area's farmers now supplement their labor forces with foreign guest workers using the federal H-2A program. The program has expanded rapidly in California in recent years increasing from roughly 3,000 certified farm jobs in fiscal year 2012 to 15,000 in fiscal year 2017. However, the program's recruitment process, requirements and associated costs limit it as a viable option for some growers.

Please feel free to contact our office if you would like more information.

\*The source of information in this column comes from *The Race in the Fields: Imports, Machines and Migrants* (Philip Martin), *California Agriculture*, December 2017, <http://calag.ucanr.edu>, as well as other articles in *California Agriculture*. Cost information is from various cost and return studies, which can be found at <https://coststudies.ucdavis.edu>.

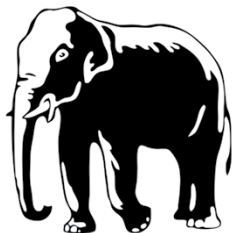
# THE WATER NANNY

## Elephant

There is a Silicon Valley startup mantra, run fast and break things. It is better to focus on spinning out new ideas and designs, staying ahead of the curve and clean up the broken pieces later. This model is supported by the local environment. Great universities turning out brilliant graduates, foreign PhDs are attracted to the area to work and VC funding makes all dreams financeable, if not realistic.

California agriculture followed a similar model. We may not have run fast and broken things, but we have always been innovative and relatively progressive compared to other states and countries. Rivers were rerouted to irrigated deserts, exotic crops were grown here, in many cases with far greater success than their homelands. Pistachios are from Iran (Persia for you old timers), as were most of the almonds. Now California is the undisputed leader in both.

One of the reasons is we attracted the best and brightest, both to our fields and to our new land grant universities. Ag Extensions in every farm district and county spread knowledge of new "modern" farming practices quickly, leading to greater production and profits. We also attracted foreigners to our state to take advantage of ag opportunities. A lot of the



gold miners did better farming. How many Azorean fishermen migrated here to become the Portuguese dairy industry? The Pajaro Valley was thick with Croatian apple growers.

As farming changed from cattle to crops, more workers were necessary. Initially (1880s) the gap was filled with Chinese men who came to work on the Central Pacific railroad. They worked in timber. Our county and state did not like the Chinese, preventing land ownership and limiting employment opportunities. As the Chinese died or returned to China, new labor was necessary. The Japanese fit the bill on the Central Coast. World War internment brought much of that to a halt. Overlapping imported labor was provided from the Philippines. The Mexican Bracero program again imported workers on a seasonal basis. More recently Mexicans and Latin Americans migrated to the U.S., many to work in our fields and packing sheds. Alas, now there is no new source of workers.

Our Ag Extensions still work hands-on with farmers, but their ranks are shrinking. Long term researchers are leaving to work for individual ag companies, understandably for greater pay. New hires barely make enough to rent a small apartment in Watsonville, so positions are hard to fill. The UC ANR bureaucracy is slow to even solicit for the openings. It is still very hard to hire ag staff as year-round administrative support; and for new hires with mechanical skills, not enough local students are educated to qualify.



One of the fundamental reasons for our excellent farms will no longer be there to support us in the future. Fortunately we have time and financial resources to adapt to this change, but we must recognize the need and make plans. It may be possible to automate some labor, but a greater pace of development is necessary. Education is a real hurdle as fancy computer driven harvesters require better tech skills. As an industry, this may be the real elephant in the room, far eclipsing regulatory, food safety and even the weather. It needs to receive the same focus of action.

There is a gold rush fable about overcoming adversity and hardship of a farmer who heard that the circus was coming to town. He had never seen an elephant and headed to town with his produce to see the elephant. On the road, he came upon the elephant. Unfortunately, the farmer's horse had never seen an elephant either. The horse spooked, upset the cart and ran off, destroying the farmer's cart and produce. Even so, the farmer declared "*I don't care, for I have seen the elephant.*"

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**FOOD FOR  
THOUGHT**

"Our snooze button does not have the power to delay the sun from rising in the morning. Time simply does not wait for anyone."

Ted Robbins



# FAVORITE RECIPES

## FoodWhat?! Strawberry Rhubarb Ginger Crumble

The "Countywide Pie", the dessert served at the 101st Annual Meeting, came from the tasty combo of strawberries from Live Earth Farm and rhubarb from the UCSC Farm with countywide FoodWhat high school youth preparing the dessert. The "Countywide Pie" received so many compliments, we asked if we could share the recipe with all of you.

"Food, What?!" is a youth empowerment non-profit organization using food, through sustainable agriculture and health, as the vehicle for youth to grow into strong, healthy, and resilient teens. We partner with low-income and struggling youth across Santa Cruz County to grow, cook, eat and distribute healthy, sustainably raised food. Youth join the FoodWhat Crew on two partner organic farm sites in Watsonville and Santa Cruz through Spring Internships, our Summer Job Training Program and Fall Project Management positions. FoodWhat creates a safe space where youth experience major diet change, attain critical job training and have the opportunity to define their own power and success. We spend part of our time with our hands in the soil, part of our time cooking inspiring meals with the produce we grow and part of the time building community around that food. FoodWhat youth gain direct farming experience which plays a significant role in building a long-term relationship with healthy food and local agriculture. FoodWhat youth find their voice and develop lasting confidence resulting in profound personal growth through the most basic of human needs: food!

To learn more about this impactful organization, check out [www.foodwhat.org](http://www.foodwhat.org)

### CRUMBLE TOPPING:

- 1 1/3 cup flour
- 1 teaspoon baking powder
- 3 tablespoons sugar
- 2 tablespoons ground ginger
- 1/4 pound (1 stick or 4 ounces) unsalted butter, melted
- Lemon zest

### FILLING:

- 1 1/2 cups rhubarb, chopped into 1-inch pieces
- 1 quart strawberries hulled and quartered
- Juice of one lemon
- 1/2 cup sugar
- 3 tablespoons cornstarch
- Pinch of salt

### INSTRUCTIONS:

1. Heat oven to 375°F. Prepare topping: In a mixing bowl, combine flour, baking powder, sugar and lemon zest. Add the melted butter. Mix until small and large clumps form. Refrigerate until needed.
2. Prepare filling: Toss rhubarb, strawberries, lemon juice, sugar, cornstarch and a pinch of salt in a 9-inch deep-dish pie plate.
3. Remove topping from refrigerator and cover fruit thickly and evenly with topping. Bake until crumble topping is golden brown in places and fruit is bubbling beneath, about 40 to 50 minutes.

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### President's Message - Continued from Page 2

In Santa Cruz County some initiatives are trying to bridge this gap.

On top of the list we have Agri-Culture's award winning Focus Agriculture program. Jimmy Panetta, our congressman, who attended the program and spent a day on the farm with Dick Peixoto said: "Everyone should take this course to understand what it takes to put food on everyone's plate in this country."

Many of our local schools and local non-profit organizations work closely with parents, business leaders, teachers and elected officials to empower our younger generation to re-engage with agriculture. Ultimately, our goal it would seem,

is to figure out creative ways to increase jobs on our farms, ranches and agriculture related businesses with salaries attractive to young people to sustain a stable lifestyle.

The Santa Cruz County Farm Bureau is an effective grassroots and advocacy organization that offers a platform for dialogue here in the county, as well as at the state and federal level to understand the challenges we face and to promote solutions that benefit the interests of agriculture. Thank you for your support and continued engagement to keep agriculture thriving.



## JEANNIE WITMER MEMORIAL SCHOLARSHIP APPLICATIONS AVAILABLE

**T**he 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](http://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](mailto:agri-culture@sbcglobal.net).

## 2018 Calendar of Events

### Santa Cruz County Farm Bureau

#### California State Fair

Cal Expo, Sacramento, CA  
July 13 through July 29, 2018

#### 25th Annual Golf Tournament

Seascape Golf Club  
12:00 p.m. Shotgun Start, July 13, 2018

#### 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.

### Annual Meeting - Continued from Page 1

**DIRECTORS:** For 1st term, three-year director: **Anselmo Rivas** – Bees; **David Van Lennep** – Timber.

For 2nd term, three-year director: **Peter Navarro**, Berries.

For 3rd term, three-year director: **Adriana Silva**, Organic Vegetables; **John E. Eiskamp**, Berries.

**OFFICERS:** For President and State Delegate, two-year position: **Brendan Miele** – Herbs & Vegetables

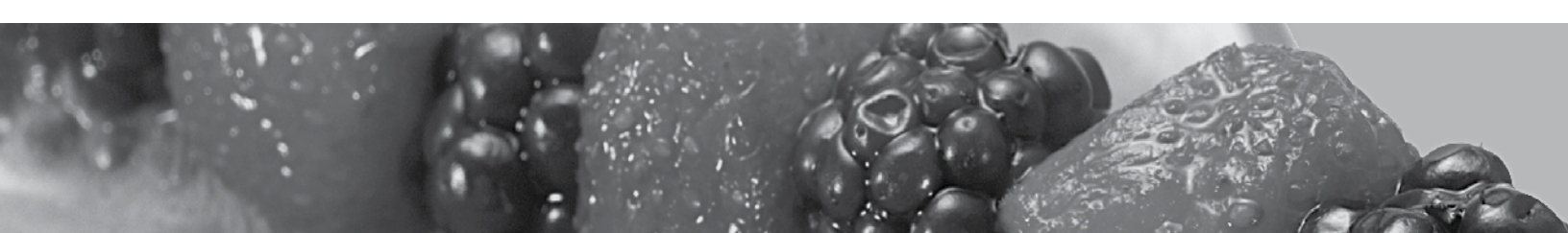
For 1st Vice President and State Delegate, two-year position: **Arnett Young** - Vegetables

For 2nd Vice President and State Delegate, two-year position: **Dennis Webb** - Timber

For Past President and Alternate State Delegate, two-year position: **Thomas Broz** – Organic Vegetables



A clean desk is a sign of a  
cluttered desk drawer



## Earnest J. (Ernie) Bontadelli 1925 - 2018



**E**rnies Bontadelli passed away peacefully at his home Friday, June 22, 2018. He, along with his brother Charles, were pioneers in the Brussels sprout industry on California's central coast. They were longtime members of both Western Growers Association (where he served on the Board of Directors) and Salinas Grower/Shipper Assn.

Ernest was born in La Selva Beach, where he continued to reside for his entire life. He attended San Jose State University where he met and married his life-long spouse Beverley, who preceded him in death in 2016. Upon graduation, he joined his brother Charles who had been farming with their father Earnest in the Watsonville area. They formed Bontadelli Brothers and farmed many of the usual commodities grown in the area, from sugar beets to strawberries to cole crops and eventually specializing in the production of Brussels sprouts in the mid 1970's.

In the early 1980's they partnered with Pfyffer Brothers and created Pfyffer Associates, a packing and shipping operation in Santa Cruz, which handled several area growers products in addition to their own. He excelled at growing artichokes in the Davenport area, north of Santa Cruz, for the next 20 years,

but his primary focus was the production and promotion of Brussels sprouts. They were instrumental in the development of mechanized harvesting, building one of the first self-propelled harvesters in the industry. He was greatly involved in promoting agriculture through his various affiliations with industry groups, being honored as the Farmer of the Year in 1984 by the Santa Cruz County Farm Bureau.

His son, Steve, rejoined the family business in the mid 80's, and together they continued to farm and develop the packing and shipping operation where his influence was greatly felt throughout his life. He loved farming which extended to his passion for gardening and cultivating flowers at his home. It was not unusual to find him out on a tractor, out weeding with his ever-present shovel, trapping gophers and any of the other jobs that needed to be done. He was well-respected by his work force, many of whom spent their entire work lives on the farm, with some of their children still working.

There will be a private family service. A celebration of life is being planned for later this summer for those who wish to honor him. In lieu of flowers, donations may be made to the Earnest and Beverley Bontadelli Memorial fund through the organization Agri-Culture at 141 Monte Vista Ave., Watsonville, CA 95076.

**Editor's Note:** Ernie Bontadelli was able to attend the 101st Annual Meeting held on Thursday evening, June 21st, where he shared the joy of watching his son Steve being honored as the 2018 Farmer of the Year.

### CFBF FARM TEAM ALERT

Contact the Senate Environmental Quality Committee to SUPPORT AB 345

The State Senate Environmental Quality Committee is considering Assembly Bill 345 (Anna Caballero, D-Salinas), which will extend the sign-up period for agricultural trucks until January 31, 2019 under the agricultural classification of the Truck and Bus Regulation. The bill also allows trucks driven less than 5,000 miles annually to remain in compliance as long as mileage is reported annually to Air Resource Board (ARB).

Act now to urge the legislature to pass AB 345, to allow continued use of diesel trucks farmers and ranchers rely upon.

### I'm a Farm Bureau Member because...



"It keeps me informed with current regulations regarding agriculture laws and advocacy for the farmers."

**Silvia Prevedelli**, Berries  
Former SCCFB Director and Public Relations & Information Committee Co-Chair

## Top 10 Agribusiness Insurance Claims

**M**otor vehicle accidents are the most common agribusiness insurance claim, according to insurer Nationwide®. Ohio-based insurer, the nation's largest insurer of farms, said that over the last three years, the top 10 claim types have accounted for more than 50,000 claims by its agribusiness customers.

Here are the top 10 commercial agribusiness claims received by Nationwide in 2017:

### Top 10 Agribusiness Insurance Claims

1. Motor Vehicle Accidents
2. Workers Compensation for Disability or Death
3. Misapplication of Chemicals or Drift
4. Slip, Fall or Injury
5. Food Related Claim
6. Animal Caused Damage or Bite
7. Glass Breakage
8. Wind Damage
9. Hail or Lightning Damage
10. Fire Damage or Loss

"By sharing our top claims data, we hope to help agribusiness owners recognize areas of their operation that may need increased safety precautions," said Carol Alvarez, vice president of claims for Nationwide. "These national trends can help business owners pinpoint areas where they can take extra measure to keep their employees, products and equipment safe."

Over the past three years, motor vehicles accidents have accounted for more than 20,000 of Nationwide's total commercial agribusiness claims. Nationwide's data for these accidents show the following trends in frequency and severity:

### Most Frequent Accidents

1. Rear end accidents
2. Backing into vehicles

3. Accidental strike of stationary object

### Accidents Causing Most Significant Damage

1. Overturned vehicles
2. Head on collisions
3. Intersection accidents

Nationwide recommends the following risk management tips to help agribusinesses reduce motor vehicle accidents and keep employees safe:

- Embrace safety technology by equipping vehicles with collision mitigation and telematics monitoring systems.
- Develop standard hiring criteria for drivers comprised of new driver orientations and documented training.
- Develop "safe following distance" and "distracted driving" policies that include comprehensive training and procedure enforcement.
- Be aware of advanced safety benefits in newer trucks, such as electronic stability control systems to prevent overturn.
- Provide additional documented training for commercial truck drivers with tanker endorsements, and those carrying high center of gravity loads.

### Participate in Santa Cruz County's AgTech Conversation

**T**he 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/>

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

### Weekly Irrigation Requirements for Strawberries in the Pajaro Valley\*

Week	Month	52-inch beds 2 drip lines per bed					
		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		--- 10 min	--- 20 min	--- 10 min	--- 15 min	--- 5 min	--- 10 min
3		--- 15 min	--- 25 min	--- 10 min	--- 20 min	--- 10 min	--- 15 min
4		--- 15 min	--- 25 min	--- 10 min	--- 20 min	--- 10 min	--- 15 min
5	Feb	--- 20 min	--- 30 min	--- 15 min	--- 25 min	--- 15 min	--- 20 min
6		--- 20 min	--- 40 min	--- 20 min	--- 35 min	--- 15 min	--- 25 min
7		--- 25 min	--- 40 min	--- 20 min	--- 30 min	--- 15 min	--- 25 min
8		--- 30 min	--- 50 min	--- 25 min	--- 40 min	--- 20 min	--- 30 min
9	Mar	--- 45 min	1 hrs 15 min	--- 35 min	1 hrs	--- 25 min	--- 45 min
10		1 hrs	1 hrs 25 min	--- 50 min	1 hrs 5 min	--- 35 min	--- 50 min
11		1 hrs 10 min	1 hrs 45 min	--- 55 min	1 hrs 25 min	--- 45 min	1 hrs 5 min
12		1 hrs 25 min	2 hrs	1 hrs 10 min	1 hrs 35 min	--- 55 min	1 hrs 10 min
13		1 hrs 55 min	2 hrs 35 min	1 hrs 30 min	2 hrs 5 min	1 hrs 10 min	1 hrs 35 min
14	Apr	2 hrs 10 min	3 hrs 10 min	1 hrs 45 min	2 hrs 30 min	1 hrs 20 min	1 hrs 55 min
15		2 hrs 40 min	3 hrs 25 min	2 hrs 5 min	2 hrs 45 min	1 hrs 35 min	2 hrs 5 min
16		3 hrs 5 min	4 hrs 5 min	2 hrs 25 min	3 hrs 15 min	1 hrs 50 min	2 hrs 25 min
17		3 hrs 35 min	5 hrs 15 min	2 hrs 50 min	4 hrs 10 min	2 hrs 10 min	3 hrs 10 min
18	May	4 hrs	5 hrs 45 min	3 hrs 15 min	4 hrs 40 min	2 hrs 25 min	3 hrs 30 min
19		4 hrs 25 min	5 hrs 35 min	3 hrs 30 min	4 hrs 30 min	2 hrs 40 min	3 hrs 20 min
20		4 hrs 40 min	6 hrs 15 min	3 hrs 45 min	5 hrs	2 hrs 45 min	3 hrs 45 min
21		4 hrs 40 min	5 hrs 40 min	3 hrs 40 min	4 hrs 30 min	2 hrs 45 min	3 hrs 20 min
22	Jun	5 hrs 15 min	7 hrs 20 min	4 hrs 10 min	5 hrs 55 min	3 hrs 5 min	4 hrs 25 min
23		5 hrs 35 min	7 hrs 55 min	4 hrs 30 min	6 hrs 20 min	3 hrs 20 min	4 hrs 45 min
24		5 hrs 55 min	7 hrs 40 min	4 hrs 45 min	6 hrs 5 min	3 hrs 35 min	4 hrs 35 min
25		6 hrs	8 hrs 5 min	4 hrs 50 min	6 hrs 30 min	3 hrs 35 min	4 hrs 50 min
26	Jul	6 hrs 10 min	8 hrs	5 hrs	6 hrs 25 min	3 hrs 45 min	4 hrs 50 min
27		6 hrs 5 min	8 hrs	4 hrs 50 min	6 hrs 25 min	3 hrs 40 min	4 hrs 45 min
28		6 hrs 10 min	8 hrs 15 min	4 hrs 55 min	6 hrs 35 min	3 hrs 40 min	4 hrs 55 min
29		6 hrs 5 min	8 hrs	4 hrs 50 min	6 hrs 25 min	3 hrs 40 min	4 hrs 45 min
30	Aug	5 hrs 35 min	8 hrs	4 hrs 30 min	6 hrs 25 min	3 hrs 20 min	4 hrs 45 min
31		4 hrs 45 min	8 hrs	4 hrs 35 min	6 hrs 25 min	3 hrs 25 min	4 hrs 50 min
32		6 hrs	8 hrs 30 min	4 hrs 45 min	6 hrs 50 min	3 hrs 35 min	5 hrs 5 min
33		5 hrs 40 min	7 hrs 55 min	4 hrs 30 min	6 hrs 20 min	3 hrs 25 min	4 hrs 45 min
34	Sep	5 hrs 30 min	7 hrs 45 min	4 hrs 25 min	6 hrs 15 min	3 hrs 15 min	4 hrs 40 min
35		5 hrs 50 min	7 hrs 35 min	4 hrs 40 min	6 hrs 5 min	3 hrs 30 min	4 hrs 30 min
36		5 hrs 50 min	8 hrs 15 min	4 hrs 40 min	6 hrs 35 min	3 hrs 30 min	4 hrs 55 min
37		5 hrs 5 min	6 hrs 40 min	4 hrs 5 min	5 hrs 20 min	3 hrs 5 min	4 hrs
38	Oct	5 hrs 10 min	6 hrs 55 min	4 hrs 10 min	5 hrs 30 min	3 hrs 5 min	4 hrs 5 min
39		4 hrs 35 min	6 hrs 30 min	3 hrs 40 min	5 hrs 15 min	2 hrs 45 min	3 hrs 55 min
40		4 hrs 50 min	7 hrs 20 min	3 hrs 50 min	5 hrs 55 min	2 hrs 55 min	4 hrs 25 min
41		4 hrs 30 min	5 hrs 50 min	3 hrs 35 min	4 hrs 40 min	2 hrs 40 min	3 hrs 30 min
42	Nov	4 hrs	5 hrs 40 min	3 hrs 10 min	4 hrs 30 min	2 hrs 25 min	3 hrs 25 min
43		3 hrs 45 min	6 hrs 15 min	3 hrs	5 hrs	2 hrs 15 min	3 hrs 45 min
44		3 hrs 15 min	4 hrs 35 min	2 hrs 40 min	3 hrs 40 min	2 hrs	2 hrs 45 min
45 new crop		--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
46	Dec	--- 5 min	--- 10 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
47		--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
48		--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
49		--- 5 min	--- 10 min	--- 5 min	--- 5 min	--- 5 min	--- 5 min
50		--- 5 min	--- 10 min	--- 5 min	--- 10 min	--- 5 min	--- 5 min
51		--- 5 min	--- 10 min	--- 5 min	--- 10 min	--- 5 min	--- 10 min
52		--- 10 min	--- 15 min	--- 5 min	--- 10 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 schedule was developed by the Resource Conservation District of Santa Cruz County as a quick reference guide for irrigation scheduling in the field. It is NOT an alternative to more advanced techniques (CIMIS ETo, CropManage, soil sensors etc). 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 11**

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# Ag News

## 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 aspecific purpose such as leaching salts.**

- 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.



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## CALENDAR

**MONDAY - JULY 9**  
**Public Relations &  
Information Committee  
meeting**

**WEDNESDAY - JULY 11**  
**Young Farmers & Ranchers  
meeting**

**FRIDAY - JULY 13**  
**25th Annual Golf Tournament  
Seascope Golf Club**

**THURSDAY - JULY 26**  
**Agricultural Policy Advisory  
Committee meeting**

**FRIDAY - JULY 27**  
**Focus Agriculture, Session 6**

**WEDNESDAY - AUGUST 1**  
• **Legislative Committee  
meeting**  
• **Executive Committee  
meeting**  
• **Membership Committee  
meeting**

**WEDNESDAY - AUGUST 8**  
**Young Farmers & Ranchers  
meeting**

**MONDAY - AUGUST 13**  
**Public Relations &  
Information Committee  
meeting**

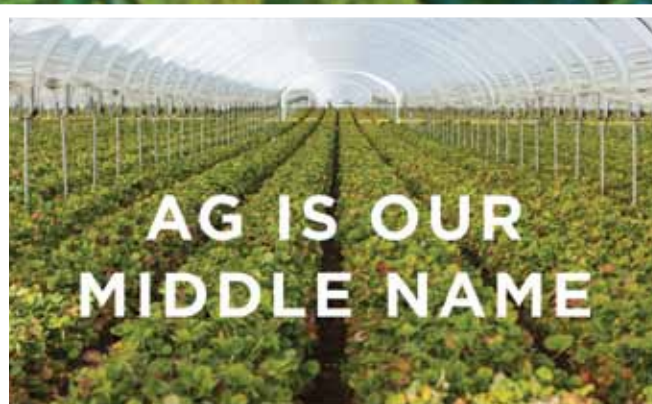
**SATURDAY - AUGUST 18**  
**10th Annual Testicle Festival  
and "It's All In The Sauce"  
Contest**

**THURSDAY - AUGUST 23**  
**Agricultural Policy Advisory  
Committee meeting**

**THURSDAY - AUGUST 30**  
**Board of Directors meeting**

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