



FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue, Ventura, CA 93009

Phone: (805) 643-1372 Fax: (805) 654-3350

Web: www.fcgma.org and www.fcgmaonline.org

ADJUSTING IRRIGATION ALLOWANCE INDEX TO ACCOUNT FOR AGRICULTURAL LANDS THAT GREW IRRIGATED CROPS IN THE TWELVE MONTHS PRIOR TO AUGUST 1, 2014, BUT HAVE SUBSEQUENTLY BEEN FALLOWED OR ARE GROWING A NON-IRRIGATED CROP (CROP YEAR 14/15 (August 1, 2014-July 31, 2015))

Special Note:

- The irrigation allowance index adjustment is a monthly value calculated from the annual nursery greenhouse irrigation allowance, divided by 12. This simplifying approach may be revised for future crop years after reviewing crop year 14/15 data.
- Separate approaches to use the irrigation allowance index adjustment are described for fallowing land as a planning tool in the beginning of the crop year, or fallowing land later in the crop year as a result of not having a sufficient irrigation allowance to avoid a surcharge.
- The irrigation allowance index adjustment is not intended for the non-irrigated periods customary in cropping patterns.
- NOTE: this application should be submitted within the period the irrigation allowance index adjustment is requested.
- After working through this application, if you have questions please contact FCGMA staff at (805) 645-1372.

1) Does this application pertain to agricultural land that grew irrigated crops in the twelve months prior to August 1, 2014, but has subsequently been fallowed or is growing a non-irrigated crop?

- YES (continue to question 2)
- NO (stop, no fallow land allowance is available)

2) Was the area that has subsequently been fallowed or is growing a non-irrigated crop not irrigated for a period of at least 90 consecutive days after August 1, 2014?

- YES (Insert date of last crop irrigation _____, and continue to question 3)
- NO (stop, no fallow land allowance is available)

3) Was the above described area in production and irrigated in the twelve (12) months before August 1, 2014?

- YES (continue to question 4)
- NO (stop, no fallow land allowance is available)

4) Did any of one of the following activities occur on the above described area after August 1, 2014?

1. New Construction (*i.e.: such as machine sheds, roads, houses, reservoirs*)
2. Land Preparation with applied water
3. Crop Irrigation

- YES (stop, no fallow land allowance is available, or delete all of that acreage from the calculation of fallow land)
- No (continue to question 5)



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- 5) **Submit a map or maps covering the twelve (12) month period prior to August 1, 2014 in order to identify the previously irrigated crops and their acres during that time frame. (Note, if you completed the IAI Applications and maps for calendar year 2013, and the first seven months of 2014, and those contain the required information, please submit that documentation.) Documentation must include:**
- a. Assessor’s Parcel Numbers (APN)
 - b. On the map(s) identify the previously Irrigated Crop type(s) and acreage(s) being sure to identify the Fallow Land area for crop year 14/15
- 6) **To demonstrate crop year 14/15 fallowed acreage, submit a map identifying the crop year 14/15 crop type(s) and acreage(s) starting August 1, 2014. Map(s) must identify the acres (described in step 5 above) that the fallow land allowance is requested for. Include the following on the map:**
- a. Assessor’s Parcel Number (APN)
 - b. On the map(s) identify the crop type(s) and acreage(s) fallowed and the crop type that the fallow land allowance is requested for.
- 7) **Calculate and attach your requested fallow land allowance on separate sheet(s) of paper using the example calculations.**

Please also write in the requested amount here: _____

- 8) **Sign and date below, and submit this application along with your maps to the Agency for review.**

I declare under penalty and perjury under the laws of the State of California that the information contained in this application is true and correct.

Name

Signature

Date



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Examples:

- A. Crop grown is 100 acres of Avocados >70% Ground Shading located in Zone 1 during a Dry year type. The irrigation allowance is 3.1 acre-feet (AF) per acre. The calculated irrigation allowance for the crop year is 310 AF. In the beginning of the year, the grower determines 330 AF is required. Under existing Agency rules, the grower can pay the surcharge rate on the additional 20 AF or apply for an adjustment to the irrigation allowance based on fallowing or growing a non-irrigated crop and applying that adjustment to the irrigation allowance to the avocado acreage that will be grown in crop year 14/15.

In this example, the grower decides to fallow some acres of Avocados >70% Ground Shading, request an irrigation allowance adjustment and apply it to the acres grown this crop year. The grower determines that to avoid paying the surcharge on 20 AF, 5.75 acres (at 0.29 AF per acre per month for 12 months) need to be fallowed, providing an additional irrigation allowance of 20 AF. The grower can grow 94.25 acres of Avocados > 70% Ground Shading at an adjusted irrigation allowance of 3.3 AF per acre. (See attached calculation sheet for details.)

- B. Crop grown is 100 acres of Year-Round Vegetables located in Zone 2 during a Dry year type. The irrigation allowance is 3.5 AF per acre. The calculated irrigation allowance for the crop year is 350 AF. A grower determines three (3) months before the end of the crop year that 400 AF is desired for the entire crop year. Under existing Agency rules, the grower can pay the surcharge rate on the additional 50 AF or fallow acreage and apply that fallow allowance to the acreage that will continue to be grown.

In this example, the grower decides to evaluate fallowing some acres of Year-Round Vegetables, and consider requesting a fallow land allowance and applying it to the remainder of acres grown this crop year. In order to obtain the additional 50 AF of irrigation allowance for three (3) months, the grower first determines that the non-irrigated allowance is 0.33 AF per acre per month. The fallow period will last three (3) months, and three (3) months times 0.33 AF is 0.99 AF per acre for remainder of crop year. Dividing 50 AF by 0.99 AF per acre for the three (3) month period results in required fallowing of 50.51 acres for the last three (3) months of the year. (See attached calculation sheet for details.)

- C. Crops grown are 100 acres of Strawberries – Summer (grown during a six month period of July through December) followed by 100 acres of Misc. Vegetable – Spring (grown during a four month period February through May) located in Zone 3 during a Typical year type. The irrigation allowance is 1.6 AF per acre for Strawberries – Summer and 1.5 AF per acre for Misc. Vegetable – Spring. The calculated irrigation allowance for the crop year is 160 AF + 150 AF = 310 AF. (Note: There is some “planned down time” (less than 90 days) between the Strawberries - Summer and Misc. Vegetable – Spring, and the end of the vegetable crop and start of the new crop year. This planned down time would not be allowed a fallow land allocation.)

The grower determines that the Strawberries – Summer allocation is not sufficient and the crop actually requires 1.8 AF per acre. The Misc. Vegetable – Spring allocation is not sufficient and the crop actually requires 1.6 AF per acre. The grower determines that 180 AF + 160 AF = 340 AF is required. The difference between the irrigation allowance and the grower’s irrigation requirement is 30 AF. Under existing Agency rules, the grower can pay the surcharge rate on the additional 30 AF or fallow acreage and apply that fallow allowance to the acreage that will continue to be grown.



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In this example, the grower decides ahead of time to fallow some of the Strawberries – Summer and Misc. Vegetable – Spring acreage, take that fallow land allowance and apply it to the remainder of acres grown this crop year. The grower determines that the summer strawberries will be grown for 6 months and the spring crop will be grown for 4 months and some acreage from each crop will need to be fallowed or be non-irrigated during that timeframe to avoid paying the surcharge on 30 AF. The grower calculates that 10.10 acres of Strawberries – Summer (at 1.6 AF per acre) along with 7.58 acres of Misc. Vegetable – Spring (at 1.5 AF per acre) need to be fallowed. Together this provides an additional irrigation allowance of 30 AF. The grower can grow 89.90 acres of Strawberries – Summer and 92.42 acres of Misc. Vegetable – Spring. (See attached calculation sheet for details.)

	A	B	C	D	E	F	G	H	I	J
1	Example A	Initial planned Irrigated Acres (Ac)	Initial IA for Irrigated acres (AF/acre)	Grower determined Crop water requirement per acre (AF/acre)	Needed adjustment the IA (AF)	Planned duration of adjustment in months	Available non-irrigated IA in AF/acre per month	IA adjustment per acre for planned duration	Required fallowed or non-irrigated acres	Revised irrigatable Acres that can be irrigated with the adjusted Crop IA without surcharge
2	Avocados > 70% Ground Shading Zone 1 (dry year)	100	3.1	3.3	= $(D2-C2)*B2$	12	= $B17$	= $G2*F2$	= $E2/H2$	= $B2-I2$
3										
4	Example B									
5	Year-Round Vegetables Zone 2 (Dry-year)	100	3.5	4	= $(D5-C5)*B5$	3	= $E17$	= $G5*F5$	= $E5/H5$	= $B5-I5$
6										
7	Example C									
8	Strawberries-Summer Zone 3 (Typical Year)	100	1.6	1.8	= $(D8-C8)*B8$	6	= $H17$	= $G8*F8$	= $E8/H8$	= $B8-I8$
9	Misc. Vegetable Spring Zone 3 (Typical Year)	100	1.5	1.6	= $(D9-C9)*B9$	4	= $H17$	= $G9*F9$	= $E9/H9$	= $B9-I9$

	A	B	C	D	E	F	G	H	I	J
1	Example A	Initial planned Irrigated Acres (Ac)	Initial IA for Irrigated acres (AF/acre)	Grower determined Crop water requirement per acre (AF/acre)	Needed adjustment the IA (AF)	Planned duration of adjustment in months	Available non-irrigated IA in AF/acre per month	IA adjustment per acre for planned duration	Required fallowed or non-irrigated acres	Revised irrigatable Acres that can be irrigated with the adjusted Crop IA without surcharge
2	Avocados > 70% Ground Shading Zone 1 (dry year)	100.00	3.10	3.30	20.00	12.00	0.29	3.48	5.75	94.25
3										
4	Example B									
5	Year-Round Vegetables Zone 2 (Dry-year)	100.00	3.50	4.00	50.00	3.00	0.33	0.99	50.51	49.49
6										
7	Example C									
8	Strawberries-Summer Zone 3 (Typical Year)	100.00	1.60	1.80	20.00	6.00	0.33	1.98	10.10	89.90
9	Misc. Vegetable Spring Zone 3 (Typical Year)	100.00	1.50	1.60	10.00	4.00	0.33	1.32	7.58	92.42