MONTEREY COUNTY CROP REPORT 2001

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ENUMERATION AND LAYOUT: COOPERATIVE EFFORT OF THE AGRICULTURAL COMMISSIONER'S STAFF

SPECIAL THANKS TO THOSE WHO PROVIDED INFORMATION FOR THIS YEAR'S CROP STATISTICS. WITHOUT YOUR COOPERATION, COMPILING ACCURATE DATA WOULD NOT HAVE BEEN POSSIBLE.

(F.O.B. values in this report include packing, harvesting, cooling, icing, pallets, and any local charges)

MONTEREY COUNTY

AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS & MEASURES
ERIC LAURITZEN, AGRICULTURAL COMMISSIONER/SEALER

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William "Bill" J. Lyons, Jr., Secretary
California Department of Food & Agriculture
and
The Honorable Board of Supervisors of Monterey County

Dave Potter	5th District, Chair
Fernando Armenta	1st District
Judy Pennycook	2nd District
Louis Calcagno	3rd District
Edith Johnsen	4th District

It is with great pleasure that we present the 2001 Monterey County Crop Report. This report, produced pursuant to the provisions of Section 2279 of the California Food & Agriculture Code, reflects a production value of $2.85 billion for Monterey County agriculture - or approximately 5% lower than 2000. Decreases were reported in some core vegetable crops as well as in nursery, seed and livestock/dairy categories. However, increases were noted in certain vegetable products, strawberries and in organic production. It is important to note that the figures contained herein are gross values and do not represent or reflect net profit or losses experienced by individual growers.

The most significant changes were in vegetable crops with head lettuce, broccoli, cauliflower and celery production all reporting decreases, as compared with the previous year. Overall, vegetable production was down 9%. Nevertheless, the industry showed strength in its diversity by posting increases in other core crops including: strawberries – 22%; mixed vegetables – 18%, asparagus – 13%, as well as significant increases in romaine, butter and spring mix lettuces. Organic production continues to increase, growing from a value of $12 million in 1994 to over $108 millinn in 2001. While many traditional nursery crops, such as cut flowers, continued to decline due to increasing competition from foreign markets and increases in energy costs, there were increases in some field grown nursery commodities. The events of September 11th had a significant impact on many growers as they neared the end of last year's season. Vegetable crops, food service items and wine grapes were especially impacted by the tragedy.

Monterey County continues to be a leader in California agricultural exports, shipping nearly one billion pounds nf produce to more than 50 countries. The diversity and dynamics of the world market causes yearly fluctuations in exports, and our agricultural industry continues to demonstrate its strength in that marketplace.

Overall, last year's crop values reflected extremely well on the productivity and diversity of this premier agricultural region. Good markets, coupled with well-timed production and excellent quality, all contributed to the success of this competitive and risky business we call agriculture. This report gives us an opportunity to thank the producers, growers and ranchers, along with the plethora of related businesses, who are credited with driving the economic engine that supports our community.

Special recognition for the compilation of this repnrt goes to Gerry Willey, Deputy Agricultural Commissioner, and the many staff who assisted in gathering the information. It is also important to recognize the agricultural industry and others who generously provide assistance and vital informatinn to complete this report. Without a very collaborative effort, compilation of this report would not be possible.

Sincerely,

Eric Lauritzen
Agricultural Commissioner

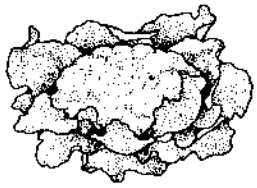
VEGETABLE CROPS

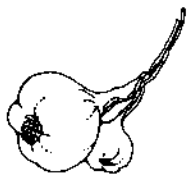
CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
ANISE [1]	**2001**	**741**	**9.72**	**7,200**	**TON**	**458.75**	**$3,303,000**
	2000	820	8.29	6,800	"	477.65	3,248,000
ARTICHOKES [2]	**2001**	**5,943**	**5.99**	**35,600**	"	**1,080.70**	**38,473,000**
Total	2000	6,780	6.09	41,280	"	1,053.63	43,494,000
Fresh	**2001**			**35,600**	"	**1,080.70**	**38,473,000**
	2000			32,810	"	1,231.36	40,401,000
Processing [3]	**2001**				"		
(Regular)	2000			8,470	"	365.17	3,093,000
ASPARAGUS [4]	**2001**	**4,767**	**3.10**	**14,800**	"	**1,485.34**	**21,983,000**
Total	2000	4,239	2.57	10,900	"	1,787.43	19,483,000
Fresh	**2001**			**14,600**	"	**1,469.18**	**21,450,000**
	2000			10,700	"	1,771.03	18,950,000
Organic	**2001**			**200**	"	**2,665.00**	**533,000**
	2000			190	"	2,805.26	533,000
BOK CHOY [5]	**2001**	**542**	**21.59**	**11,700**	"	**280.94**	**3,287,000**
	2000	563	21.31	12,000	"	300.92	3,611,000
BROCCOLI [6]	**2001**	**54,899**	**6.93**	**380,630**	"	**680.35**	**258,962,000**
Total	2000	61,500	7.17	441,210	"	814.32	359,286,000
Fresh	**2001**			**305,960**	"	**622.06**	**190,325,000**
	2000			352,500	"	780.77	275,221,000
Food Service	**2001**			**50,480**	"	**1,129.73**	**57,029,000**
	2000			57,250	"	1,180.47	67,582,000
Organic	**2001**			**7,240**	"	**707.73**	**5,124,000**
	2000			10,260	"	809.84	8,309,000
Processing	**2001**			**16,950**	"	**382.54**	**6,484,000**
	2000			21,200	"	385.57	8,174,000
CARROTS [7]	**2001**	**3,933**	**19.65**	**77,300**	"	**201.93**	**15,609,000**
Total	2000	4,478	21.02	94,120	"	188.28	17,721,000
Fresh	**2001**			**49,470**	"	**179.54**	**8,882,000**
	2000			47,200	"	165.32	7,803,000
Food Service	**2001**			**2,900**	"	**1,295.52**	**3,757,000**
	2000			1,140	"	1,507.02	1,718,000
Processing	**2001**			**24,950**	"	**119.04**	**2,970,000**
	2000			45,780	"	179.12	8,200,000

1 Carton weight, 37 lbs. 2 Carton weight, 23 lbs. 3 Insufficient to report. 4 Carton weight, 25 lbs. 5 Carton weight, 50 lbs. 6 Carton weight, 23 lbs. 7 Carton weight, 50 lbs.

VEGETABLE CROPS - Continued

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
CABBAGE, (All) [1]	**2001**	**2,087**	**19.82**	**41,370**	**TON**	**205.75**	**$8,512,000**
	2000	2,495	16.91	42,200	"	200.43	8,458,000
CAULIFLOWER [2]	**2001**	**17,390**	**8.03**	**139,630**	"	**734.56**	**102,567,000**
Total	2000	17,480	8.93	156,100	"	759.31	118,528,000
Fresh [3]	**2001**			**126,700**	"	**629.79**	**79,794,000**
	2000			138,000	"	688.96	95,077,000
Food Service	**2001**			**6,810**	"	**2,853.60**	**19,433,000**
	2000			6,600	"	2,604.09	17,187,000
Organic	**2001**			**1,480**	"	**666.22**	**986,000**
	2000			1,600	"	698.75	1,118,000
Processing	**2001**			**4,640**	"	**507.33**	**2,354,000**
	2000			9,900	"	519.80	5,146,000
CELERY [4]	**2001**	**10,030**	**31.17**	**312,600**	"	**313.46**	**97,988,000**
Total	2000	8,136	36.69	298,500	"	362.62	108,241,000
Fresh	**2001**			**295,500**	"	**289.25**	**85,473,000**
	2000			280,000	"	350.17	98,048,000
Food Service	**2001**			**14,600**	"	**836.71**	**12,216,000**
	2000			9,700	"	890.62	8,639,000
Processing	**2001**			**2,500**	"	**119.60**	**299,000**
	2000			8,800	"	176.59	1,554,000
CHARD	**2001**	**698**	**7.03**	**4,910**	"	**614.05**	**3,015,000**
	2000	643	7.00	4,500	"	622.67	2,802,000
CILANTRO	**2001**	**871**	**9.46**	**8,240**	"	**557.65**	**4,595,000**
	2000	780	9.62	7,500	"	555.47	4,166,000
GARLIC [5]	**2001**				"		
Total	2000	728	6.73	4,900	"	324.90	1,592,000
Fresh	**2001**				"		
	2000			2,400	"	417.50	1,002,000
Processing	**2001**				"		
	2000			2,500	"	236.00	590,000
HERBS [6]	**2002**	**80**	**1,850.00**	**148,000**	**BUNCH**	**8.59**	**1,271,000**
	2001	68	1,677.94	114,100	"	10.02	1,143,000





1 Carton weight, 50 lbs. 2 Carton weight, 23 lbs. 3 Figures combined white & green cauliflower. 4 Carton weight, 60 lbs. 5 Included in misc. vegetables. 6 Includes: Chervil, Dill, Ginkgo, Marjoram, Dregano, Rosemary, Sage, Thyme, misc.

VEGETABLE CROPS - Continued

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
KALE [1]	**2001**	**1,005**	**7.62**	**7,654**	**TON**	**630.39**	**$4,825,000**
Total	2000	1,408	8.59	12,090	"	634.57	7,672,000
Fresh (All)	**2001**			**6,794**	"	**521.05**	**3,540,000**
	2000			8,080	"	803.22	6,490,000
Food Service	**2001**			**860**	"	**1,494.19**	**1,285,000**
	2000			700	"	1,688.57	1,182,000
LEEKS	**2001**	**346**	**10.12**	**3,500**	"	**854.29**	**2,990,000**
	2000	298	11.11	3,310	"	811.78	2,687,000
LETTUCE (All)	**2001**	**111,339**					**658,905,000**
(See page 7 & 8)	2000	106,173					775,283,000
MISC. VEGETABLES [2]	**2001**	**20,600**	**7.46**	**153,730**	**TON**	**736.51**	**113,224,000**
Total	2000	15,660	8.96	140,390	"	681.72	95,707,000
Fresh	**2001**			**16,840**	"	**711.76**	**11,986,000**
	2000			9,940	"	377.16	3,749,000
Food Service	**2001**			**51,500**	"	**938.29**	**48,322,000**
	2000			35,670	"	858.42	30,620,000
Organic	**2001**			**84,680**	"	**621.76**	**52,651,000**
	2000			91,350	"	649.58	59,339,000
Processing	**2001**			**710**	"	**373.24**	**265,000**
	2000			3,430	"	582.80	1,999,000
MUSHROOMS	**2001**			**48,146,000**	**LBS**	**1.36**	**65,479,000**
	2000			47,246,000	"	1.56	73,704,000
NAPA [3]	**2001**	**696**	**20.83**	**14,500**	**TON**	**357.24**	**5,180,000**
	2000	474	22.57	10,700	"	371.68	3,977,000
ONIONS, Dry [4]	**2001**	**924**	**21.86**	**20,200**	"	**192.18**	**3,882,000**
Total	2000	1,271	22.19	28,200	"	174.18	4,912,000
Fresh	**2001**			**6,200**	"	**341.45**	**2,117,000**
	2000			5,400	"	345.74	1,867,000
Processing	**2001**			**14,000**	"	**126.07**	**1,765,000**
	2000			22,800	"	133.55	3,045,000
ONIONS, Green [5]	**2001**	**1,345**	**11.95**	**16,070**	**LBS**	**1,121.72**	**18,026,000**
	2000	1,435	12.33	17,700	"	1,130.68	20,013,000

1 Carton weight, 20 lbs. 2 Includes: Asparagus, Beans, Beets, Brussel Sprouts, Cactus Pears, Cardone, Cherry Tomatoes, Chives, Corn, Cucumbers, Daikon, Edible Flowers, Endive, Escarole, Fava Beans, Garlic, Gourds, Kohlrabi, Assorted Melons, Mixed Vegetables, Mushrooms, Onions, Parsnips, Peas, Pimentos, Pumpkins, Radish, Turnips, Mixad Vegetables, Onions, Mushrooms. 3 Carton weight, 50 lbs. 4 Carton weight, 50 lbs. 5 Carton waight, 13 lbs.

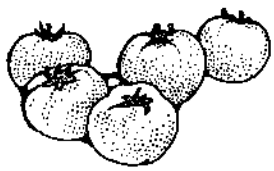
VEGETABLE CROPS - Continued

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
PARSLEY [1]	**2001**	**359**	**10.45**	**3,750**	**TON**	**525.07**	**$1,969,000**
Total	2000	1,086	8.92	9,689	"	949.43	9,199,000
Fresh	**2001**			**3,750**	"	**525.07**	**1,969,000**
	2000			4,266	"	689.87	2,943,000
Food Service	**2001**[2]				"		
	2000			2,327	"	1,415.99	3,295,000
Dry (Processing)	**2001**[2]				"		
	2000			3,096	"	956.40	2,961,000
PEAS	**2001**[2]				"		
	2000	436	5.19	2,264	"	1,678.45	3,800,000
PEPPERS, BELL [3]	**2001**	**1,817**	**13.98**	**25,400**	"	**299.29**	**7,602,000**
Total	2000	1,584	19.44	30,789	"	313.65	9,657,000
Fresh	**2001**			**11,900**	"	**366.22**	**4,358,000**
	2000			8,910	"	496.52	4,424,000
Processing	**2001**			**13,500**	"	**240.30**	**3,244,000**
	2000			21,879	"	239.18	5,233,000
PEPPERS, Chili	**2001**	**625**	**8.13**	**5,080**	"	**888.39**	**4,513,000**
Total	2000	872	7.86	6,856	"	1,037.78	7,115,000
Fresh	**2001**			**100**	"	**300.00**	**30,000**
	2000			436	"	300.46	131,000
Processing	**2001**			**4,980**	"	**900.20**	**4,483,000**
	2000			6,420	"	1,087.85	6,984,000
RADICCHIO [4]	**2001**	**1,850**	**3.02**	**5,590**	"	**1,552.24**	**8,677,000**
	2000	1,688	3.23	5,455	"	1,554.54	8,480,000
RADISH [5]	**2001**	**224**	**11.21**	**2,510**	"	**682.87**	**1,714,000**
	2000	221	13.82	3,054	"	815.32	2,490,000
RAPPINI [6]	**2001**	**2,516**	**4.88**	**12,280**	"	**854.89**	**10,498,000**
	2000	2,650	4.66	12,340		920.34	11,357,000

[1] Carton weight, 21 lbs. [2] Insufficient to report. [3] Carton weight, 30 lbs. [4] Carton weight, 9 lbs. [5] Carton weight, 12 lbs. [6] Carton weight, 23 lbs.

VEGETABLE CROPS - Continued

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
SALAD PRODUCTS [1]	**2001**			**43,307,000**	**CTN**	**8.21**	**355,550,000**
	2000			40,099,000	"	8.36	335,228,000
SPINACH [2]	**2001**	**13,204**	**7.52**	**99,316**	**TON**	**775.39**	**77,009,000**
Total	2000	13,890	7.03	97,591	"	784.96	76,605,000
Fresh	**2001**			**49,897**	"	**651.16**	**32,491,000**
	2000			55,509	"	681.02	37,803,000
Food Service	**2001**			**25,868**	"	**1,615.05**	**41,778,000**
	2000			19,443	"	1,833.31	35,645,000
Processing	**2001**			**23,551**	"	**116.34**	**2,740,000**
	2000			22,639	"	139.45	3,157,000
SPRING MIX [3]	**2001**	**13,167**	**7.83**	**103,100**	"	**949.43**	**97,886,000**
Total	2000	8,915	7.62	67,900	"	986.69	66,996,000
Fresh	**2001**			**52,440**	"	**936.98**	**49,135,000**
	2000			49,360	"	973.42	48,048,000
Organic	**2001**			**50,660**	"	**962.32**	**48,751,000**
	2000			18,540	"	1,022.01	18,948,000
SQUASH [4]	**2001**	**450**	**14.60**	**6,569**	"	**417.42**	**2,742,000**
Total	2000	391	10.60	4,145	"	441.74	1,831,000
Fresh	**2001**			**6,569**	"	**417.42**	**2,742,000**
	2000			4,070	"	447.17	1,820,000
Processing	**2001** [5]				"		
	2000			75	"	146.67	11,000
TOMATOES [6]	**2001**	**2,272**	**17.28**	**39,266**	"	**336.27**	**13,204,000**
Total	2000	1,296	18.11	23,471	"	335.95	7,885,000
Fresh	**2001**			**39,266**	"	**336.27**	**13,204,000**
	2000			18,341	"	419.17	7,688,000
Processing	**2001** [5]				"		
	2000			5,130	"	38.40	197,000
TOMATOES	**2001** [5]				"		
Cherry	2000	31	17.90	555	"	709.91	394,000



[1] Carton weight, 20 lbs. [2] Carton weight, 20 lbs. [3] May contain: Tango, Magenta Orach, Red Perella, Red Nagoya, Little Gem, Mizuna, Red Feathering Kale, Green Perella, New Red Fire, Arugula, Beet Tops, Royal Red Oak Leaf, Baby Spinach, Mache, Green Mustard, Dinosaur Kale, Green Kale, Baby Red Romaine, Belgian Endive, Red Butter Lettuce, Tat-Soi, Frisee, Sierra, Cocard, Green Chard, Rad Chard, Baby Green Romaine, Red Russian Kale, Red Mustard, Lollo Rosa. 4 Carton weight, 30 lbs. 5 Insufficient to report. [6] Carton weight, 25 lbs.

VEGETABLE CROPS - Continued

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
LETTUCE, Head [1]							
Spring	**2001**	**17,665**					
	2000	16,982					
Summer	**2001**	**18,180**					
	2000	18,499					
Fall	**2001**	**21,749**					
	2000	22,319					
Naked Pack	**2001**			**10,194,000**	**CTN**	**7.78**	**$79,309,000**
	2000			11,181,000	"	10.24	114,493,000
Wrapped Pack	**2001**			**22,167,000**	**"**	**9.76**	**216,350,000**
	2000			23,241,000	"	12.20	285,614,000
Bulk for Shredding	**2001**			**19,089,000**	**"**	**3.40**	**64,903,000**
	2000			21,293,000	"	3.40	72,396,000
SEASON TOTAL	**2001**	**57,594**	**893.32**	**51,450,000**	**CTN**	**$ 7.0080**	**$360,562,000**
	2000	57,800	966.87	55,885,000	"	8.4549	$472,503,000

HEAD LETTUCE TOTALS	**2001**	**57,594**	**893.32**	**51,450,000**	**CTN**	**$ 7.0080**	**$360,562,000**
	2000	57,800	966.87	55,885,000	"	$8.4549	$472,503,000

[1] *Carton weight, 50 lbs.*

VEGETABLE CROPS - Continued

CROP	YEAR	PRODUCTION ACREAGE	PER ACRE	TOTAL	UNIT	F. O. B. VALUE PER UNIT	TOTAL
LEAF LETTUCE							
BUTTER LETTUCE	**2001**	**1,908**	**810.80**	**1,547,000**	**CTN**	**$6.46**	**$9,994,000**
	2000	1,860	895.16	1,665,000	CTN	5.08	8,458,000
GREEN LEAF	**2001**	**9,488**	**786.36**	**7,461,000**	"	**4.69**	**34,992,000**
	2000	8,800	986.82	8,684,000	"	6.87	59,659,000
ENDIVE	**2001**	**570**	**698.25**	**398,000**	"	**5.40**	**2,149,000**
	2000	500	600.00	300,000	"	6.45	1,935,000
ESCAROLE	**2001**	**209**	**516.75**	**108,000**	"	**4.82**	**521,000**
	2000	290	958.62	278,000	"	4.35	1,209,000
RED LETTUCE	**2001**	**4,360**	**827.29**	**3,607,000**	"	**6.43**	**23,193,000**
	2000	4,150	993.73	4,124,000	"	6.31	26,022,000
ROMAINE [1]	**2001**	**37,210**	**753.78**	**28,048,000**	"	**8.111**	**227,494,000**
Total	2000	32,773	876.12	28,713,000	"	7.156	205,479,000
Fresh	**2001**			**19,147,000**	"	**7.652**	**146,513,000**
	2000			20,744,000	"	5.949	123,406,000
Food Service	**2001**			**8,901,000**	"	**9.098**	**80,981,000**
	2000			7,969,000	"	10.299	82,073,000
LEAF LETTUCE [2]	**2001**	**53,745**	**1,287.88**	**41,169,000**	**CTN**	**$7.247**	**$298,352,000**
TOTALS	2000	48,373	904.66	43,761,000	CTN	$6.918	$302,762,000

LETTUCE CROP	**2001**	**111,339**	**HEAD & LEAF LETTUCE**	**$658,914,000**
TOTALS	2000	106,173	HEAD & LEAF LETTUCE	$775,283,000




VEGETABLE CROPS	**2001**	**274,120**	**VEGETABLE CROPS**	**$2,013,549,000**
TOTAL ACRES	2000	268,489	VEGETABLE CROPS	$2,216,764,000

1 Carton weight, 37 lbs. 2 Carton weight, 25 lbs.

FRUITS AND NUTS

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
APPLES [1]	**2001**	**128.50**	**14.26**	**1,833**	**TON**	**224.77**	**$412,000**
Total	2000	114.00	8.89	1,013	"	212.24	215,000
Fresh	**2001**			**139**	"	**151.08**	**21,000**
	2000			99	"	141.41	14,000
Processing	**2001**			**1,694**	"	**230.81**	**391,000**
	2000			914	"	219.91	201,000
AVOCADOS [2]	**2001**	**142.00**	**2.97**	**422**	"	**2,137.44**	**902,000**
	2000	157.00	0.54	85	"	764.71	65,000
BUSHBERRIES [3]	**2001**	**91.00**	**4.02**	**366**	"	**4,573.77**	**1,674,000**
	2000	81.45	3.90	318	"	3,503.15	1,114,000
CITRUS	**2001**	**1,226.00**	**20.76**	**25,453**	"	**231.49**	**5,892,000**
	2000	1,220.00	6.83	8,331	"	394.67	3,288,000
GRAPES [4]	**2001**	**38,098.00**	**4.83**	**184,082**	"	**1,129.63**	**207,945,000**
	2000	36,265.00	4.71	170,729	"	1,267.68	216,430,000
KIWI FRUIT [5]	**2001**	**7.25**	**3.45**	**25**	"	**1,800.00**	**45,000**
	2000	8.50	2.47	21	"	1,285.71	27,000
RASPBERRIES [6]	**2001**	**232.85**	**3.56**	**830**	"	**4,326.51**	**3,591,000**
	2000	172.00	2.87	494	"	4,281.38	2,115,000
STRAWBERRIES [7]	**2001**	**6,941.00**	**32.14**	**223,113**	"	**1,241.51**	**276,912,000**
Total	2000	6,990.00	32.33	225,966	"	1,008.93	227,984,000
Fresh	**2001**			**208,286**	"	**1,256.54**	**261,720,000**
	2000			205,500	"	1,069.31	219,743,000
Organic	**2001**			**2,500**	"	**2,584.80**	**6,462,000**
	2000			1,392	"	1,199.00	1,669,000
Processing	**2001**			**12,327**	"	**708.20**	**8,730,000**
	2000			19,083	"	344.39	6,572,000
WALNUTS	**2001**	**450.00**	**0.67**	**302**	"	**1,046.36**	**316,000**
	2000	450.00	0.69	312	"	1,240.38	387,000

FRUITS AND NUTS TOTAL ACRES	**2001**	**47,316.60**	**FRUITS AND NUTS TOTAL VALUE**	**$497,689,000**
	2000	54,235.95		$451,625,000

[1] Carton weight, 38 lbs. [2] Carton weight, 6 lbs. [3] Carton weight, 9 lbs. Includes: Logan, Olalla, Chester, Blackberries, Blueberries. [4] Represents bearing acres. [5] Carton weight, 7 lbs. [5] Carton weight, 7 lbs. [6] Carton weight, 7 lbs. [7] Carton weight, 12 lbs.

GRAPE SUPPLEMENTARY

CROP	YEAR	ACREAGE	PRODUCTION PER	TOTAL	UNIT	F. O. B. VALUE PER UNIT	TOTAL
GRAPES	**TOTAL**	**45,986**					
Bearing	**2001**	**38,098**	**4.83**	**184,082**	**TON**	**1,129.63**	**$207,945,000**
Nonbearing or not harvested		**7,888**					
GRAPES	TOTAL	45,043					
Bearing	2000	36,265	4.71	170,729	TON	1,267.68	216,430,000
Nonbearing or not harvested		8,778					

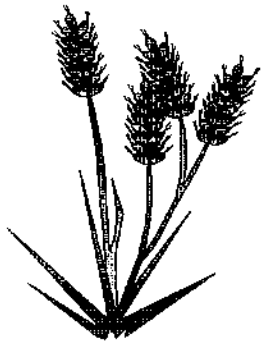
TOTAL ACREAGE OF WINE GRAPES BY VARIETY

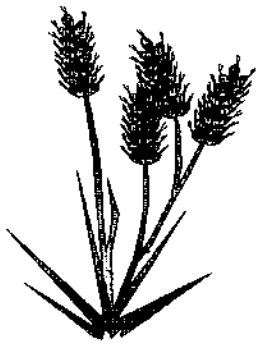
VARIETY	HARVESTED ACRES	AVERAGE PRICE PER TON	TOTAL TONS	NON-BEARING ACRES
Chardonnay	17,773	1,140	92,878	1,511
Cabernet Sauvignon	4,923	1,232	18,379	1,967
Merlot	4,536	1,239	22,981	1,845
Pinot Noir	3,016	1,491	11,815	1,138
J. Riesling/White Riesling	1,163	824	5,817	
Sauvignon Blanc	1,114	1,009	5,669	164
Syrah	910	1,266	3,094	468
Chenin Blanc	803	356	6,663	142
Gewurztraminer	736	873	3,443	
Zinfandel	712	869	2,626	13
Pinot Blanc	366	632	1,634	87
Petite Sirah	345	1,165	1,311	50
Other Red (1)	315	991	1,619	48
Cabernet Franc	226	1,240	772	75
Other White (2)	199	833	722	33
Pinot Gris/Pinot Grigio	200	1,266	1,069	82
Sangiovese	153	1,112	727	33
Grenache	131	1,294	917	15
Semillon	123	1,204	414	
Viognier	97	1,682	224	20
Muscat Blanc/M. Canelli	78	934	453	43
Gamay (Napa)/Valdiguie	71	782	489	
Malbec	42	1,347	141	89
Muscat Orange	33	1,272	119	
Petit Verdot	18	1,340	31	66
Mourvedre	9	1,589	25	
Marsanne	7	1,301	51	

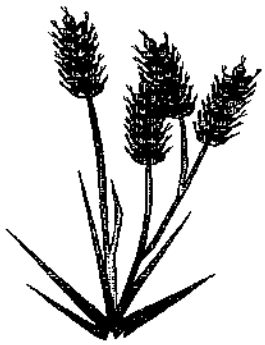
1 Alicante Bouschet, Barbera, Charbono, Cinsaut, Dolcetto, French Colombard, Fresia, Gamay Beaujolais, Nebbiolo, Refosco, Souzao, Tempranillo 2 Albarino, Loureiro, Malvasia Bianca, Pigato, Roussanne, Treixadura, Verduzzo.

FIELD CROPS

CROP	YEAR	PRODUCTION ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	F. O. B. VALUE PER UNIT	F. O. B. VALUE TOTAL
BARLEY, Grain	**2001**	**2,180**	**0.83**	**1,808**	**TON**	**87.94**	**$159,000**
	2000	3,830	0.87	3,350	"	90.75	304,000
BEANS, Dry Large Lima	**2001**	**1,390**	**1.40**	**1,943**	**"**	**1,220.00**	**2,371,000**
	2000	1,450	1.31	1,905	"	1,219.95	2,324,000
BEANS, Misc.	**2001**	**32**	**1.19**	**38**	**"**	**800.00**	**30,400**
Dry	2000	24	1.42	34	"	714.71	24,300
HAY, Alfalfa	**2001**	**365**	**5.21**	**1,903**	**"**	**157.12**	**299,000**
	2000	450	5.96	2,680	"	128.73	345,000
HAY, Oat	**2001**	**2,068**	**2.57**	**5,315**	**"**	**95.39**	**507,000**
	2000	2,015	2.84	5,720	"	88.64	507,000
PASTURE	**2001**	**1,076,031**			**ACRE**	**8.79**	**9,458,000**
Dry Land	2000	1,076,031 [1]			"	7.00	7,532,000
PASTURE	**2001** [2]				**"**		
Irrigated	2000	1	**AU** [3]	100	"	178.00	17,800
SAFFLOWER	**2001**	**165**	**1.10**	**182**	**"**	**181.32**	**33,000**
	2000	275	0.14	38	"	215.79	8,200
WHEAT, Grain	**2001**	**659**	**0.96**	**630**	**"**	**85.71**	**54,000**
	2000	1,970	1.01	1,989	"	87.98	175,000







FIELD CROPS	**2001**	**1,082,890**	**FIELD CROPS**	**$12,911,400**
TOTAL ACRES	2000	1,086,046	**TOTAL VALUE**	$11,237,300

[1] California Dept. of Conservation Farmland Mapping and Monitoring program. [2] Insufficient to report. [3] AU = 1,000 LB animal unit: Formula 1AU Acre/Year @ $12.00/month x $12.00/month = $144/year x 500 AU = $72,000

MONTEREY COUNTY WAR ON WEEDS PARTNERSHIP

With the movement of people and their possessions from continent to continent, nation to nation, state to state, and county to county, plant species are also moved. The unintentional movement of non-native plants is usually of the seed stage. Non-native species have no natural controls in newly colonized areas. Non-natives may produce large quantities of seed or propagate themselves by means of stolons, rhizomes, or crowns. This high reproductive capacity and lack of natural control allows non-native species to crowd-out diverse, balanced populations of native species, and to proliferate virtually unabated. These invasive non-native plant species are many times considered noxious as well. They may have large spines that penetrate skin and clothing, or they may produce toxins that are poisonous to people or animals. Due to the invasive and noxious nature of these plants, we do not want them and they are thus designated as "weeds".

Invasive, noxious weeds are detrimental to native animal and plant species, inhibit agricultural production and the economy of Monterey County, and negatively affect the recreational and aesthetic value of open-space and public areas. Annually, millions of dollars are spent statewide controlling weeds. When this investment is not made, invasive, noxious weeds continue to expand into new areas, increase the seed bank in the soil and make future control more difficult and more costly.

To address this serious and growing (no pun intended) problem, on October 17, 2000, the Monterey County Board of Supervisor's approved the formation of a countywide Weed Management Area (WMA). This action allowed the rest of the County to join their weed control efforts with those ongoing efforts of the Big Sur WMA, and the Fort Ord WMA. Nineteen public and private groups joined the Monterey County War On Weeds Partnership (MCWOWP). More groups have since joined and more are welcome.

This cooperative or regional approach at weed control is recognized as necessary to combat weeds. If a neighbor does not also control weeds on his/her property, those weeds will eventually invade surrounding properties. Although growers have a good handle on their weeds by virtue of turning the soil, and other typical farming practices, they are represented in the partnership.

The creation of the WMA, allowed the Monterey County Agricultural Commissioner's office to apply to the California Department of Food Agriculture for funds made available by Assembly Bill 1168 (Frusetta), and Senate Bill 1740 (Leslie) specifically for weed management areas to control and eradicate invasive, noxious weeds. The Agricultural Commissioner administers the funds and serves as the WMA coordinator

The MCWOWP developed a strategic plan for the control of noxious and invasive weeds. The plan outlines the mission of the Partnership, the problem with weeds, and it includes a list of goals and elements critical to building a strong and successful regional program. The plan describes the program, and includes a list of the top weed species and the roles and responsibilities of the individual partners.

The elements of the plan include:

1. Prevention in the form of exclusion and early detection
2. Eradication, Control, and Project Monitoring
3. Education, Awareness, and Outreach
4. Survey, Inventory, and Mapping
5. Funding and Finance

In 2001 the MCWOWP funded the following:

- In the South County, a mapping project to inventory major yellow star thistle infestations.
- In the Greenfield area, an eradication project to eliminate puna grass from irrigated pastures.
- In the Prunedale area, an eradication project to eliminate fertile capeweed.
- In the Gonzales area, an eradication project to eliminate Taurian thistle.
- At the Kirk Creek Campground in Big Sur, an eradication project to eliminate pampas and jubata grass.
- In the Elkhorn Slough Watershed, a project to map pampas grass, veldt grass and cape ivy.
- At CSUMB, the War On Weeds Symposium
- A Global Positioning Satellite (GPS) system and Geographic Information System (GIS) software weed mapping/inventory project (website available soon)

An example of what can happen when these types of projects are not implemented or are delayed is the yellow star thistle (YST) infestation. YST was introduced into California during the mid to late 1800's. It is a weed manager's worst nightmare. YST produces large spines capable of penetrating denim. It is toxic to horses, causing a neurological disorder of the brain called "chewing disease". Large plants can produce over 100,000 seeds. Because of its high water usage and deep roots, it depletes soil moisture, thus threatening human economic interests and native plant ecosystems. YST now infests more than 15 million acres in the state.

In comparison, an example of what has been achieved by these types of sustained efforts is that of the Agricultural Commissioner's Scotch thistle eradication project. Early on in the project, which began about 30 years ago, effort was measured in number of gallons of chemical used for treatment. Now, our effort is measured in the number of individual plants found during survey. During the last survey, only 54 plants were found.

KIRK CREEK –PAMPAS GRASS ERADICATION

A restoration project using native species to replace the pampas grass is planned

SUDDEN OAK DEATH IN MONTEREY COUNTY

Anyone who travels down the coast in the Big Sur area can hardly miss the observation that something is killing our trees. So far, only tan oaks and live oaks seem to be dying, but researchers are finding that other trees and shrubs are also becoming infected with this killer organism. So, what is going on here?

In 1995, dying trees in northern California prompted plant pathologists to investigate the cause of this widespread die-off. At first, theories about a mysterious root disease gained favor, but eventually, in 2000, it was determined that a fungus named *Phytophthora ramorum* was the culprit. This fungus is thought to be of European origin, and may have hitchhiked into the area on imported Rhododendron plants. The fungus has been able to spread into different areas of the State, mostly coastal counties so far, but just how is not known. People, however, are the prime suspects in moving the pathogen unintentionally from one place to another.

Once the fungus attacks a tree, usually on the trunk up to about 8 ft. above the ground, it spreads into the living tissue of the sapwood, causing an initial symptom of "bleeding sap" through small openings in the bark. When this infection has spread completely around the trunk, the tree suddenly dies, hence the name "sudden oak death." However, this process may take many months before it actually dies, and this process can be hastened by beetle attacks to the weakened trees.

Apart from the Big Sur area in Monterey County, only one other tree has been diagnosed with this disease, and that was at Manzanita Park, north of Salinas. The disease is present as far north as Mendocino County and is occurring in our nearest neighbors of Santa Cruz and Santa Clara Counties, but not to the south.

Any suspect oak trees that are showing bleeding on the trunk from small openings in the bark or that have mysteriously died suddenly should be reported to our office, especially if they are outside of the known major area of infestation (Big Sur).

Monterey County Certified Organic

Monterey County's organic certification program (MCCO) is the first "county" program to be registered with the State of California, and is in the process of being accredited by the United States Department of Agriculture (USDA) to ensure compliance with the Organic Foods Production Act (OFPA) and the National Organic Policy (NOP.)

Organic farming is one of the fastest growing segments of U.S. agriculture. The USDA estimates that the nationwide value of retail sales of organic foods in 1999 was approximately $6 billion. The number of U.S. organic farmers is increasing by about 12 percent per year and now stands at about 12,200. In 2001 Monterey County registered 81 organic producers who cultivated 12,165 acres with a total production value of $108,045,000.

Organic agriculture is an ecological production management system that promotes and enhances biodiversity, biological cycles and soil biological activity. It integrates cultural, biological and mechanical practices that foster cycling of resources, promote ecological balance and conserve biodiversity. Organic agriculture encourages minimal use of off-farm inputs and management practices that restore, maintain and enhance ecological harmony.

MCCO seeks to enhance the credibility of organic agriculture as a viable systems approach of sustainable agriculture. Our goal is to assure consumers that organically produced products adhere to the OFPA and NOP. Those who grow or market organic products must comply with the federal rules by October 21, 2002.

For over 109 years, the Agricultural Commissioner's Office has provided service to consumers and the agricultural industry in Monterey County. MCCO'S certification service will help ensure that the industry provides the best quality organic food and fiber available through an innovative and customer service-centered program. Our program intends to serve the industry and to assure consumer confidence in commodities that are organically produced. Our inspectors are also IOIA *(Independent Organic Inspectors Association)* trained.

MCCO provides competitively priced certification services for crop production, handlers, processors, livestock and wild crops. Certification is granted to those who demonstrate compliance with the NOP regulations and can substantiate their ability to maintain the integrity of their organic commodities. MCCO supports sustainable agricultural practices that benefit all involved, from the grower through, and including, the consumer.

Dividing up the Farm Pie

The increasing gap between retail prices and farm prices continues, due largely to the exploitation of market power. The corporate retailers continue to get larger, mostly by acquisition of smaller chains or independents. According to local sales offices, the buyer group continues to get smaller, giving the corporate retailer more bargaining power. Regardless of market price changes, the costs of producing and delivering products continue to escalate.

The County crop report shows gross, not net, returns, and no allowances have been made for shipping, processing, or sales and marketing costs. It also is not reflective of the net crop value remaining, if any, that would be returned to the farm to pay the costs of growing the crop. It is possible that, while a crop's value countywide may show an increase in value, the net returns to the farm may decrease in value on a per acre basis. The following data represent typical break-even costs per carton for various commodities. The grower must receive more than this typical price to make a profit.

AVERAGE GROWING COSTS FOR A SALINAS VALLEY VEGETABLE FARM

Break Even Growing and Shipping Costs

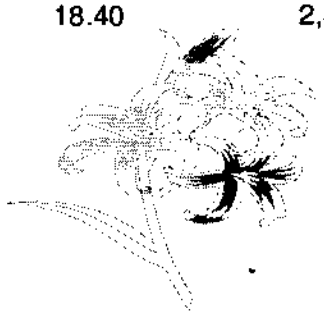
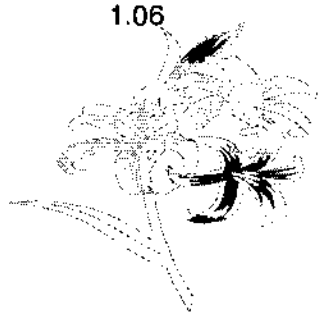
	Head Lettuce Flat Pack 24's	Romaine 24's	Broccoli 14's	Cauliflower 12's	Mix Lettuce 24's
Average Yield per Carton per Acre	850	850	800	750	950
Growing Costs per Carton	$3.47	$3.40	$3.43	$3.85	$2.98
Shipping Costs per Carton	$5.15	$5.50	$5.05	$5.35	$5.10
Total Sales Charge Required to Break Even (Growing and Shipping per Carton)	**$8.48**	**$8.81**	**$8.43**	**$9.16**	**$8.05**

NURSERY CROPS

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
GREENHOUSE CUT FLOWERS			**BLOOMS SOLD**	**PER BLOOM**	
ROSE	**2001**	**78.36**	**26,644,000**	**0.31**	**$8,260,000**
	2000	93.50	37,456,000	0.24	8,989,000
MINIATURE ROSE	**2001**	**6.41**	**2,777,000**	**0.21**	**583,000**
	2000	11.15	5,534,000	0.15	830,000
CARNATION	**2001**	**34.80**	**15,451,000**	**0.14**	**2,163,000**
	2000	48.70	21,261,000	0.14	2,977,000
CARNATION (Miniature)	**2001**	**24.23**	**2,554,000**	**1.84**	**4,699,000**
	2000	24.02	2,710,000	1.85	5,014,000
CHRYSANTHEMUM (Standard)	**2001**	**16.92**	**2,848,000**	**0.58**	**1,652,000**
	2000	17.57	2,901,000	0.66	1,915,000
			BUNCHES SOLD	**PER BUNCH**	
ORCHID	**2001**		**216,000**	**1.83**	**395,000**
	2000		128,000	1.81	232,000
INDOOR CUT FLOWERS TOTAL ACRES	**2001**	**160.72**		**INDOOR CUT FLOWERS TOTAL VALUE**	**$17,752,000**
	2000	194.94			$19,957,000
FIELD GROWN FLOWERS			**BUNCHES SOLD**	**PER BUNCH**	
ALSTROEMERIA	**2001**	**30.04**	**662,900**	**1.58**	**1,047,000**
	2000	44.28	1,021,000	1.63	1,664,000
EUCALYPTUS	**2001**	**355.16**	**1,995,000**	**3.39**	**6,763,000**
	2000	452.98	2,424,000	2.25	5,454,000
GYPSOPHILA	**2001**	**.49**	**18,900**	**2.01**	**38,000**
	2000	1.22	12,100	3.06	37,000
IRIS	**2001**	**21.31**	**1,060,000**	**2.02**	**2,141,000**
	2000	17.46	653,000	2.62	1,711,000
SNAPDRAGON	**2001**	**20.30**	**664,000**	**1.78**	**1,182,000**
	2000	46.40	746,000	2.71	2,022,000
STATICE	**2001**	**44.45**	**424,300**	**3.21**	**1,362,000**
	2000	57.52	491,600	1.94	954,000

NURSERY CROPS - Continued

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
POTTED PLANTS			**PLANTS SOLD**	**PER PLANT**	
BEDDING PLANTS					
Commercial &	**2001**	**58.22**	**1,921,140,000**	**0.03**	**$57,634,000**
Organic Vegetable [1]	2000	99.80	2,459,000,000	0.03	73,770,000
ORCHIDS	**2001**	**45.93**	**2,256,000**	**8.11**	**18,296,000**
	2000	27.00	1,548,000	10.04	15,542,000
POINSETTIA	**2001**	**58.65**	**1,438,000**	**4.47**	**6,428,000**
	2000	34.40	1,097,000	3.72	4,081,000
PROPAGATIVE	**2001**	**141.48**	**12,208,000**	**0.56**	**6,837,000**
STOCK [2]	2000	140.80	13,440,000	0.75	10,080,000
OTHER PLANTS			**PLANTS SOLD**	**PER PLANT**	
MISCELLANEOUS	**2001**	**46.81**	**4,365,000**	**3.00**	**13,095,000**
Indoor Decorative [3]	2000	42.34	4,222,000	4.23	17,859,000
OUTDOOR	**2001**	**16.77**	**809,000**	**2.66**	**2,152,000**
Woody Ornamentals	2000	83.50	2,191,000	4.07	8,917,000
MISC FIELD CROPS [4]	**2001**	**1,046.81**	**51,831,000**	**0.81**	**41,983,000**
	2000	1,414.80	39,633,000	0.75	29,725,000
CHRISTMAS	**2001**	**22.96**	**1,345**	**28.25**	**38,000**
TREES	2000	20.00	1,400	27.50	38,500
LILLIES	**2001**	**18.38**	**1,453,000**	**1.25**	**1,816,000**
	2000	18.40	2,302,000	1.06	2,440,000

NURSERY CROPS	**2001**	**2,088.48**	**NURSERY CROPS**	**$178,564,000**
TOTAL ACRES	2000 [5]	2,695.84	**TOTAL VALUE**	$194,251,500

[1] Includes: All vegetable transplants. [2] Includes: Bedding plants, Carnations, Fruit tree transplants, Grape cuttings, Mums, Roses. [3] Includes: African Violet, Azallas, Cyclamen, Dieffenbachia, Ficus sp., Gardenias, Gloxinia, Kalanchoe, Potted Mums, Seasonal potted plants, Spathiphyllum, Spring bulbs. [4] Includes: Agapanthus, Bulbs, Cactus, Cornflower, Colum Stock, Curly willow, Dianthus, Foliage, Foxglova, Freesia, Godetia, Heather, Larkspur, Leptospermum, Lilias, Lisanthius, Myrtle, Seafoam,Stock, Succulents, Strawflower, Sunflower, Thistles, Tillandsia, Turf, Yarrow.
[5] Corrected acreage figure.

SEED CROPS

CROP	YEAR	PRODUCTION ACREAGE	PER ACRE	TOTAL	UNIT	F. O. B. VALUE PER UNIT	TOTAL
BROCCOLI	**2001**	**91**	**0.10**	**9.10**	**TON**	**29,780.22**	**$271,000**
	2000	215	0.13	27.85	"	40,287.25	1,122,000
CAULIFLOWER	**2001**	**190**	**0.06**	**11.70**	"	**61,966.00**	**725,000**
	2000	453	0.27	123.00	"	25,878.04	3,183,000
PEAS	**2001**	**136**	**1.34**	**182.00**	"	**818.68**	**149,000**
	2000	610	1.36	832.00	"	628.61	523,000
BEANS, (All)	**2001**	**2,750**	**0.88**	**2,426.00**	"	**1,434.05**	**3,479,000**
	2000	1,945	1.32	2,559.00	"	1,226.65	3,139,000
MISC. SEED [1]	**2001**	**832**	**0.91**	**758.00**	"	**618.73**	**469,000**
	2000	1,087	0.79	861.70	"	927.24	799,000
SEED CROPS	**2001**	**3,999**			**SEED CROPS**		**$5,093,000**
TOTAL ACRES	2000	4,310			**TOTAL VALUE**		$8,766,000

APIARY

CROP	YEAR	COLONIES	PRODUCTION	UNIT	F.O.B. VALUE PER UNIT	TOTAL
HONEY	**2001**		**29,000**	**LBS**	**0.58**	**$16,800**
	2000		35,000	"	0.55	19,250
POLLINATION [2]	**2001**	**2,329**		**COLONY**	**29.83**	**69,500**
	2000	1,200		"	26.00	31,200
WAX	**2001**		**1,500**	**LBS**	**2.25**	**3,380**
	2000		990	"	2.12	2,100
APIARY	**2001**					**$89,680**
TOTAL VALUE	2000					$52,550

[1] *Includes: Barley, Corn, Cucumber, Endive, Native grasses, Oats, Peppers, Squash, Watermelon, Western maize.*
[2] *Crops Pollinated: Apple, Broccoli, Carrot, Cauliflower, Cucumber, Fava Bean, Melon, Onion, Parsley, Pepper, Spinach, Squash.*

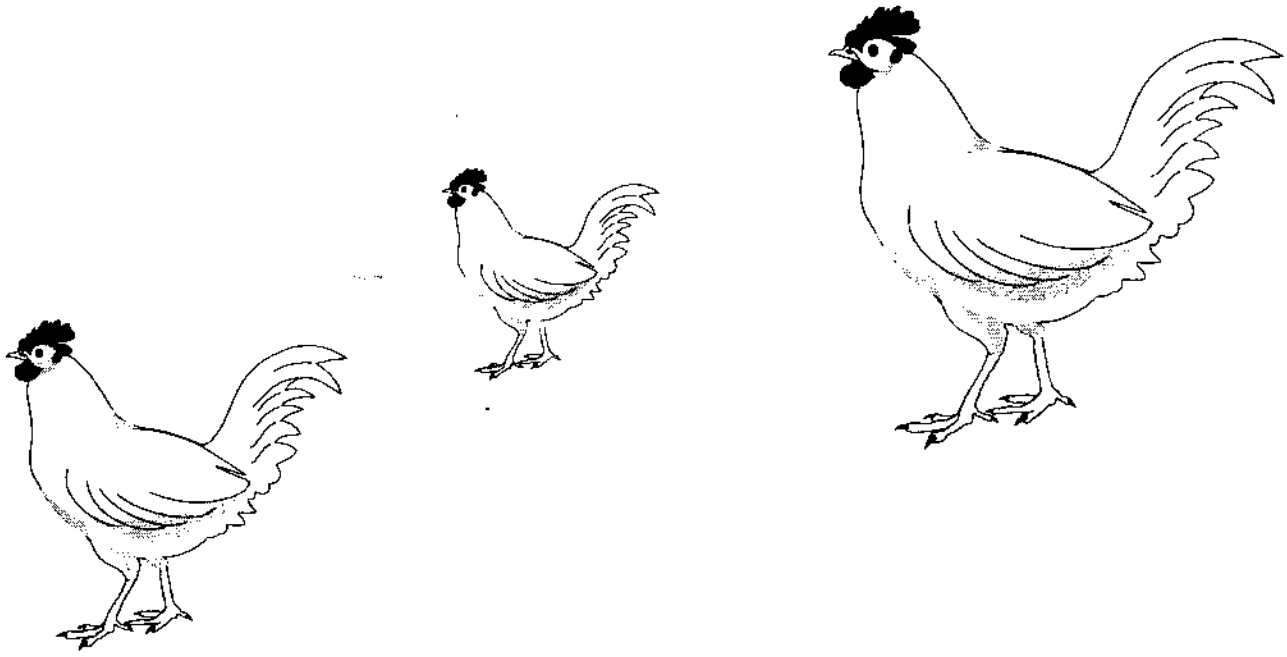
LIVESTOCK & DAIRY

CROP	YEAR	HEAD	PRODUCTION	UNIT	F. O. B. VALUE PER UNIT	TOTAL
BEEF CATTLE	**2001**	**92,500**		**CWT**		**$27,618,000**
Total	2000	88,300		"		25,892,000
Cattle & Calves	**2001**	**47,000**	**295,630**	"	**67.00**	**19,807,000**
	2000	46,800	294,600	"	65.00	19,149,000
Stocker	**2001**	**45,500**	**105,560**	"	**74.00**	**7,811,000**
	2000	41,500	96,605	"	69.80	6,743,000
SHEEP & LAMB	**2001**	**2,500**	**3,756**	"	**67.00**	**252,000**
	2000	2,500	3,756	"	78.00	293,000
WOOL	**2001**		**18,000**	**LBS**	**0.15**	**2,700**
	2000		18,000	"	0.20	3,600
HOGS	**2001**	**1,600**	**304,545**	"	**0.45**	**137,000**
	2000	1,600	304,545	"	0.44	134,000
DAIRY	**2001**	**2,018**		**HEAD**		**8,625,000**
Total	2000	3,366		"		11,846,000
Dairy Cows	**2001**	**1,458**		"	**1,600.00**	**2,333,000**
	2000	2,200		"	1,500.00	3,300,000
Cull Cows	**2001**	**360**		"	**600.00**	**216,000**
	2000	517		"	500.00	259,000
Calves	**2001**	**200**		"	**85.00**	**17,000**
	2000	649		"	40.00	26,000
Fertilizer	**2001**		**6,000**	**TON**	**7.00**	**42,000**
	2000		6,000	"	6.00	36,000
Milk, Market Marketing	**2001**		**411,347**	**CWT**	**14.59**	**6,002,000**
	2000		600,000	"	13.62	8,172,000
Manufactured	**2001**		**881**	"	**16.98**	**15,000**
	2000		3,883	"	13.64	53,000
LIVESTOCK & DAIRY TOTAL VALUE	**2001**					**$36,634,700**
	2000 [1]					$38,168,600

[1] *Corrected figure.*

POULTRY

CROP	YEAR	HEAD	PRODUCTION	UNIT	F. O. B. VALUE PER UNIT	TOTAL
POULTRY	**2001**					**$1,822,000**
Total	2000 [1]					2,536,250
Broilers, Fryers	**2001**	**466,000**	**2,984,000**	**LBS**	**0.41**	**1,223,000**
Roasters	2000	492,000	3,254,000	"	0.43	1,399,000
Meat Hens [2]	**2001**			"		
	2000	4,200	29,400	"	0.42	12,250
Misc. Poultry [3]	**2001**					**440,000**
	2000					974,000
Eggs	**2001**		**63,000**	**DOZ**	**2.52**	**159,000**
	2000 [4]		61,000	"	2.48	151,000



POULTRY	**2001**	**$1,822,000**
TOTAL VALUE	2000 [1]	$2,536,250

[1] Corrected figure. [2] Insufficient to report. [3] Includes: Duck Eggs, Ducklings, Fryers, Goslings, Pullets and meat Hens. [4] Corrected production & value figure.

TREND OF MAJOR CROPS IN MONTEREY COUNTY

CROP	YEAR	ACRES		VALUE
ARTICHOKES	**2001**	**5,943**		**$38,473,000**
	1991	7,545		29,136,000
	1981	8,265		36,510,700
BROCCOLI	**2001**	**54,899**		**258,962,000**
	1991	50,160		139,343,000
	1981	41,390		90,567,000
CAULIFLOWER	**2001**	**17,390**		**102,567,000**
	1991	23,790		89,661,000
	1981	18,870		53,736,000
CELERY	**2001**	**10,030**		**97,988,000**
	1991	6,929		40,103,000
	1981	6,200		34,990,000
GRAPES [1]	**2001**	**38,098.00**		**207,945,000**
	1991	24,150.32		73,800,000
	1981	27,947.25		49,628,000
LETTUCE, Head	**2001**	**57,594**		**360,562,000**
	1991	63,000		293,295,000
	1981	62,396		241,659,000
LETTUCE, Leaf	**2001**	**53,745**		**298,352,000**
	1991	26,201		99,743,000
	1981	2,750		13,553,000
MUSHROOMS	**2001**	**48,146,000**	**LBS**	**65,479,000**
	1991	38,466,000	"	36,927,000
	1981	26,274,000	"	28,113,000
NURSERY CROPS	**2001**	**2,099.78**		**178,564,000**
	1991	1,772.67		125,254,000
	1981	812.14		62,127,000
SPINACH	**2001**	**13,204**		**77,009,000**
	1991	7,410		16,555,000
	1981	3,670		4,489,000
STRAWBERRIES	**2001**	**6,941**		**276,912,000**
	1991	6,320		158,149,000
	1981	2,560		48,570,000

1 Bearing acres only.

MILLION DOLLAR CROPS

1.	LETTUCE, Head	$360,562,000
2.	LETTUCE, Leaf	298,352,000
3.	STRAWBERIES	276,912,000
4.	BROCCOLI	258,962,000
5.	GRAPES	207,945,000
6.	NURSERY, All	178,564,000
7.	CAULIFLOWER	102,567,000
8.	CELERY	97,988,000
9.	SPRING MIX	97,886,000
10.	SPINACH	77,009,000
11.	MUSHROOM	65,479,000
12.	ARTICHOKES	38,473,000
13.	BEEF CATTLE, All	27,618,000
14.	ASPARAGUS	21,983,000
15.	ONIONS, Green	18,026,000
16.	CARROTS	15,609,000
17.	TOMATOES	13,204,000
18.	FIELD CROPS	12,911,400
19.	RAPPINI	10,498,000
20.	PASTURE, Dry Land	9,458,000
21.	RADICCHIO	8,677,000
22.	DAIRY, All	8,625,000
23.	CABBAGE, All	8,512,000
24.	PEPPERS, Bell	7,602,000
25.	CITRUS	5,892,000
26.	NAPA	5,180,000
27.	SEEDS, All	5,093,000
28.	KALE	4,825,000
29.	CILANTRO	4,595,000
30.	PEPPERS, Chili	4,513,000
31.	ONIONS, Dry	3,882,000
32.	RASPBERRIES	3,591,000
33.	ANISE	3,303,000
34.	BOK CHOY	3,287,000
35.	CHARD	3,015,000
36.	LEEKS	2,990,000
37.	SQUASH	2,742,000
38.	BEANS, Dry	2,371,000
39.	PARSLEY	1,969,000
40.	POULTRY, All	1,822,000
41.	RADISH	1,714,000
42.	BUSHBERRIES	1,674,000
43.	HERBS	1,271,000

SUMMARY

	YEAR	TOTAL VALUE
FRUITS & NUTS	**2001**	**497,689,000**
	2000	451,625,000
VEGETABLE CROPS	**2001**	**2,013,549,000**
	2000	2,216,764,000
FIELD CRDPS	**2001**	**12,911,400**
	2000	11,237,300
NURSERY CROPS	**2001**	**178,564,000**
	2000	194,251,000
SEED CROPS	**2001**	**5,093,000**
	2000	8,766,000
APIARY	**2001**	**89,680**
	2000	52,550
LIVESTOCK, POULTRY, AND DAIRY	**2001**	**38,456,700**
	2000 [1]	40,704,850
ORGANIC	**2001**	**108,045,000**
	2000 [2]	89,853,000
SUMMARY TOTAL VALUE	**2001**	**$2,854,383,780**
	2000 [1]	$3,013,253,700

1 Corrected figures.. 2 Included in commodity categories.

MONTEREY COUNTY PRODUCE EXPORTS BY COMMODITY

COMMODITY	2001-LBS	2000 - LBS	1999 - LBS	1998 - LBS	1997 - LBS	1996 - LBS	1995 - LBS
Lettuce, All	514,174,658	236,767,966	297,400,325	243,698,976	238,140,469	217,465,530	147,012,550
Broccoli	141,130,453	150,631,493	186,575,971	164,855,249	163,852,454	146,890,694	139,810,302
Celery	107,278,855	100,022,878	122,955,927	125,497,213	90,061,531	77,230,648	61,381,696
Value Added Products	53,704,537	72,376,117	10,146,575	12,511,883	[1]	[1]	[1]
Strawberries	35,601,807	48,233,159	24,969,409	36,164,228	20,902,272	18,599,424	21,008,409
Cauliflower	24,853,605	20,820,866	23,800,696	31,842,622	24,120,687	15,641,147	10,578,865
Asparagus	13,525,139	7,486,764	5,006,032	9,007,220	2,951,756	4,016,687	2,629,458
Tomatoes	12,528,125	14,100,292	6,493,480	4,617,300	21,942,986	9,952,990	6,112,647
Carrots	9,316,624	3,833,651	6,421,226	6,691,060	5,810,790	7,718,010	7,632,676
Onions, Green	9,001,314	6,732,095	8,731,713	8,203,607	1,027,703	1,817,907	1,515,567
Spinach	6,808,571	5,304,212	4,903,269	4,865,825	5,128,886	2,118,825	1,560,969
Onions, Dry	6,225,554	10,691,492	2,676,138	11,285,950	18,705,624	13,094,008	26,932,646
Radicchio	4,489,253	4,435,099	3,419,585	4,623,629	7,598,946	6,371,481	3,473,185
Salad Mix	4,308,409	5,324,457	[1]	4,480	599,362	214,110	
Artichokes	4,103,886	4,031,952	4,219,472	3,851,801	2,529,890	610,307	266,893
Cabbage, All	3,010,232	5,255,202	6,155,129	3,505,431	7,224,858	6,716,805	4,441,672
Raspberry	2,991,668	2,785,976	195,520	1,243,768	904,716	758,944	[1]
Anise	2,960,596	4,747,159	3,994,252	3,643,679	3,583,752	3,099,406	2,085,059
Rappini	1,967,360	2,775,300	2,176,949	1,812,446	2,176,661	1,529,515	1,874,367
Radish	1,180,327	1,144,213	986,118	4,623,629	205,584	215,122	
Total For All							
Produce Exported	967,090,480	712,939,115	723,554,753	956,306,342	928,319,699	778,199,265	680,567,420
All Seed	5,310,584	4,150,593	5,670,752	4,866,104	7,364,998	4,781,155	7,515,380
Cut Flowers (Stems)	2,223,330	1,019,131	3,915,540	4,749,773	5,502,984	3,165,981	3,681,774
Other Nursery Plants	15,541,355	13,888,190	10,742,703	9,654,207	10,302,093	15,257,473	24,770,048

1 *Data not available*

MONTEREY COUNTY PRODUCE EXPORTS BY COUNTRY

	2001-lbs	2000 - lbs	1999 - lbs	1998 - lbs	1997 - lbs	1996 - lbs	1995 - lbs
Canada	**448,287,952**	382,593,934	317,174,273	351,537,601	300,810,959	241,197,640	179,026,000
Singapore	**237,087,006**	13,382,118	20,088,506	13,512,225	18,246,240	20,552,757	15,651,000
Japan	**126,028,183**	139,474,103	164,064,167	138,056,542	146,507,247	127,676,318	164,102,000
Taiwan	**57,226,433**	37,650,194	44,485,523	35,551,233	32,914,374	39,185,450	32,149,000
Hong Kong	**42,845,651**	67,210,702	149,690,472	98,578,133	87,575,229	83,077,219	63,173,000
Mexico	**34,815,193**	42,437,675	25,075,966	20,085,728	30,577,604	13,840,443	16,287,000
European Union [1]	**13,740,663**	6,658,568	11,359,848	16,049,672	10,205,619	10,478,836	[2]
United Arab Emirates	**2,727,720**	918,522	610,878	1,943,656	6,401,520	3,512,860	5,617,000
Puerto Rico	**2,000,985**	3,300,155	[2]	1,203,260	743,080	46,080	[2]
China	**1,924,830**	10,422,296	11,494,142	11,824,150	5,717,880	2,022,420	1,563,000
Kuwait	**1,537,613**	1,475,000	1,546,214	1,077,411	1,596,298	458,360	367,000
Russia	**815,000**	2,340	8,052	[2]	321,538	336,492	
Switzerland	**800,000**	1,489,209	133,750	2,946,912	485,758	2,023,805	440,000
Malaysia	**771,970**	1,311,800	1,959,502	387,940	100	5,568	1,154,000
Panama	**589,787**	491,747	1,316,977	2,465,910	931,785	508,846	701,000
Saudi Arabia	**464,180**	316,200	105,812	1,428,302	83,752	107,878	211,000
Australia	**354,448**	355,336	142,492	210,442	227,830	265,600	392,000
New Zealand	**327,720**	78,112	76,749	228,862	41,227	8,200	[2]
Republic Of Korea	**251,255**	368,582	414,116	921,198	878,205	5,555,530	4,177,000
Philippines	**214,073**	1,105,933	[2]	877,652	832,330	559,169	1,029,000

[1] *Includes: Austria, Belgium, Denmark, Finland, France, French Guiana, Germany, Greece, Guadeloupe, Ireland, Italy, Luxembourg, Martinique, Monaco, Netherlands, Portugal, Reunion, San Marino, Spain, Sweden, United Kingdom, Vatican City State.*

[2] *Data not available.*

SUMMARY OF MONTEREY COUNTY
SUSTAINABLE AGRICULTURAL ACTIVITIES

PEST	AGENT/MECHANISM	SCOPE OF PROGRAM*
COUNTY BIOLOGICAL CONTROL		
Yellnw Starthistle*, *Centaurea solstitialis*	Seedhead Weevils/Fly, *Bangasternus orientalis, Eustenopus villosus Urophora sirunaseva, Larinus curtus*	36 sites
Italian thistle, *Carduus* spp.	Seedhead weevil, *Rhinocyllus conicus*	General distribuunn
Russian thistle, *Salsola australis*	Leaf & stem mining moths, *Coleophora* spp	7 sites
Puncture vine, *Tribulus terrestris*	Stem & Seed weevils, *Microlarinus* spp.	General and local distribution,
Aphid species	Seven-spotted lady beetle, *Coccinella septempunctata*	1 site
Ash whitefly, *Siphoninus phillyreae*	Parasitic wasp, *Encarsia inaron*	General distributinn
PEST ERADICATION		
Taurian thistle, *Onopordum tauricum*	Mechanical/chemical	14 plants treated
Scotch thistle, *Onopordum acanthium*	Mechanical/chemical	32 plants treated
Skeletonweed, *Chrondrilla junceae*	Mechanical/chemical	Two infestations
Puna grass, *Achnatherum brachychaetum*	Mechanical/chemical	Twelve infestations
Spotted knapweed, *Centaurea maculosa*	Mechanical/chemical	One plant removed
Fertile Capeweed, *Arctotheca calendula*	Mechanical	Three infestatioos
PEST MANAGEMENT		
Roadside (virus host) weeds	Chemical	825 miles, Cnunty right-of-ways
Lettuce Mosaic Virus	Virus-Free Seed	Indexing of all county-planted seed
Lettuce Mosaic Virus	Host-frec period	No lettuce above grouod 12/7-12/21
Celery Mosaic Virus	Host-free period	No celery above ground in January

* The hairy seedhead weevil, *Eustenopus villosus*, is available for release tn individual properties with yellow starthistle infestations. Call for arraagements.

Diffuse Knapweed (*Centaurea diffusa*), Hydrilla (*Hydrilla verticillata*), and biddy-biddy (*Acaena novae-zelandiae*) have been eradicated.

PEST EXCLUSION

Pest exclusion terminal inspections involved 3,813 hours, during which 17,150 incoming shipments were inspected. One hundred two shipments were rejected in violation of quarantine regulations.

PEST DETECTION

Pest detection is the systematic search for pests outside of a known infested area, or for pests not known to occur in Califoroia. The general goal is to detect the insects before they become established over an area sn large that eradication is no longer biologically or economically feasible. Oetection trapping is performed primarily by the County Agricultural Commissioner's offices.

TARGET PEST	INSECT HOSTS	NO. OF TRAPS
Medfly	Fruit trees	280
Melon fruit fly	Vegetable Gardens	45
Mexican fruit fly	Fruit trees	84
Oriental fruit fly	Fruit trees	94
Gypsy moth	Shade trees	257
Japanese beetle	Turf, roses	164
Apple Maggot	Apple orchards	24
European corn borer	Corn	3
Nantucket pine tip moth	Monterey pine	9
Trogederma beetle	High hazard commodities	15

Pest detection trapping activities accounted for 3,915.5 hours, with a total of 8,697 services of 975 traps being made. 19.5 hours were applied to inspeeting 27 commercial crop sites of 8 net acres/480 gross acres. 15 ealls to residences were made fnr investigation of suspect reports and 159 hours were utilized on inspeetion/identification of public-reported pests. 16 high hazard locations were inspected and 783 miles of entryways surveyed, aecounting for 58 and 80 hours respectively. Special surveys were made for cxotie aquatic weeds, sudden oak dcath disease, and glassy-winged sharpshooter.

*Represents total number of individual sites, plants, etc. ineorporated in program effort (surveys, collection, releases, etc.)

AGRICULTURAL COMMISSIONER'S OFFICE

AGRICULTURAL COMMISSIONER/SEALER
Eric Lauritzen

ASST. AGRICULTURAL COMMISSIONER/SEALER
Robert Roach

CH. DEPUTY AGRICULTURAL COMMISSIONER
Ken Corbishley Henry Gonzales
Katherine Smith-Borchard

DEPUTY AGRICULTURAL COMMISSIONER
Patricia Murray William Waddle Gerry Willey

STAFF BIOLOGIST
Brad Oliver

AGRICULTURAL INSPECTOR/BIOLOGIST

Kenneth Allen	Laurie Campos	Estrella Guzman	David Murphy	Daniel Prakash
Robert Bohn	Michael Casey	Yvette Hilber	Steve Olmsted	Jon Samaha
Johnny Bunch	Teo Gonzalez	Paul Josselyn	Victor Pongo	Heather Sowersby
Maria Vidauri				

AGRICULTURAL AIDE

Patrick Brodrick	Pam Cope	Benny Espiritu	Anntoinette Garcia	Sylvia Rodriguez
Leslie Sutton				

PRODUCE INSPECTOR

Juanita Adame	Manuel Duran	Linda Gonzalez	Patrick McLaughlin	Tom Spradling
Bill Albright	Jim Edens	Joel Hill	Joe Pacheco	Daniel Torres
Luz Cadena	Richard Fleming	Danny Mallobox Jr.	Terri Rush	Joe Torres
Toni Cadena-Rice	Danny Garcia	Danny Mallobox III	Lori Silvas	Gary Ura
Celia Cervantes				

WEIGHTS AND MEASURES DIVISION

WEIGHTS & MEASURES INSPECTOR
James Abercrombie Daniel Marien
Carol Montgomery

ADMINISTRATIVE SUPPORT

Emmett Ashurst	Info. Syst. Coord.
Luis Bonilla	Data Entry Oper.
Syble Brown	Sr. Typist Clerk
Massiel Cruz-Avila	Typist Clerk II
Sandra Kilogan	Account Clerk
Sandra Martinez	Data Entry Oper.
Jenny Neuber	Admin. Secretary
Andrea Polanco	Sr. Account Clerk
Rosanne Rubino	Personnel Analyst
Kyle Stewart	Finance Manager
Karla Tinajero	Typist Clerk II
Jane Wiggs-Grubb	Sr. Typist Clerk
Dianne Yancy	Account Clerk

BRANCH OFFICES

KING CITY

Deputy Agricultural Commissioner, Vacant
Lawrence Mora, Agricultural Inspector/Biologist
Jesus Ramirez, Agricultural Inspector/Biologist
William Taylor, Agricultural Inspector/Biologist
Pam Everett, Sr. Typist Clerk

PAJARO

Charles Nuñez, Deputy Agricultural Commissioner
Guillermo Bravo, Agricultural Inspector/Biologist
Sr. Typist Clerk, Vacant

MONTEREY

Rich Ordonez, Agricultural Inspector/Biologist