

# **AGRICULTURAL EDUCATION**

## **STATE PROGRAM ENROLLMENT DATA REPORT SUMMARY**

**1999-00**

**California Department of Education  
Curriculum and Instructional Leadership Branch  
Standards & High School Development Division**

**January 2000**

# INTRODUCTION

The Agricultural Education Unit of the California Department of Education gathers program information on an annual basis from LEA's conducting instructional programs in agricultural education. This data is collected from schools by CDE Regional Supervisors on October 15th and compiled into the annual "R-2 Program Enrollment Report."

The 1999-00 report includes information collected from 307 LEA's.

Through collection, compilation, and analysis of the data received, it is hoped that the status and trends in agricultural education at the secondary level and be accurately portrayed.

## ANALYSIS OF INFORMATION

### Base Salary

The base salary (nine months) figures reported for 1999-00 averaged \$44,923. This represents a \$1,796 increase over the average reported in 1998-99 which is a 3.9% increase in salary. In an eleven year comparison, the base salary increased from \$34,665 in 1989-90 to \$44,923 in 1999-00, an increase of 22.8%.

Regional comparisons revealed that during the 1999-00 year the highest base salary average was \$45,692 in the Southern Region, with the lowest base salary average found in the South Coast Region at \$42,097.

### Extended Contracts

85.1% of the agriculture teachers in California have an extended contract. 83.1% of the teachers exceed the minimum requirement of \$1600 or above to meet agricultural incentive grant requirements. The Central Region has the highest concentration of teachers with extended contracts with 91.5%. The South Coast has the fewest concentration of extended contracts with only 74.0% of the teachers receiving this compensation.

### FFA Advisor Stipends

Leadership development activities conducted through the use of the FFA student organization and its related activities are an integral component in agricultural education programs. This year 37.8% of the agriculture teachers reported that they received additional compensation for coordinating and conducting these integral activities. This represents an increase of 1.3% from the 1998-99 reporting year.

The South Coast Region had the highest percentage of stipends with 48.1% of the teachers receiving this stipend. Whereas, the Superior Region had the lowest percentage of stipends with only 23.5% of the teachers receiving this stipend.

#### Department Chairperson Stipend

Eleven years ago, in 1989-90, 21.3% of the agricultural department chairs received this stipend. In 1999-00, 36.2% of the agricultural department chairpersons received this type of compensation.

In comparing regions, the San Joaquin region had the most department chairs receiving this stipend with 45.8%. Whereas, the North Coast Region had the fewest teachers receiving this stipend with 18.8%.

#### Teacher Gender

The gender division among agricultural teachers shows 65.9% being male and 34.1% female. This represents an increase of 2.8% of female teachers from the previous reporting data of 1998-99.

The South Coast Region has the highest concentration of male teachers with 74.0% of the total teacher base. The Southern Region has the highest concentration of female teacher with 46.9% of the total teacher base.

#### SOE Periods

48.9 of all agriculture teachers in California have an SOE Period. This is slightly down (-0.9%) from the 1998-99 reporting year.

The San Joaquin Region has the highest concentration with 58.5% of San Joaquin teachers having SOE Periods. The Southern Region has the lowest concentration with only 35.4% of the teachers having SOE Periods.

# STUDENT INFORMATION

## Statewide Enrollment By Year and Grade Level

The statewide enrollment figure for 1999-00 is 52,427 students. This enrollment figure reflects a 3.0% increase from the student data reported in 1998-99. The student gender breakdown is 58.0% male and 42.0% female. Analysis of this data indicates that the difference between male and female enrollments has shown little change.

Grade level comparisons exhibit very little change from the data over the past three years. The 1999-00 data by grade level reveals that 35.1% are 9th graders, 27.0% are 10th graders, 21.2% are 11th graders, and 16.7% are 12th graders.

## Student Ethnicity Enrollment

The ethnic diversity of agricultural students continues to change in California. Based on the 1999-00 data, 58.2% of the students are Caucasian, 34.0% Hispanic, 2.9% African American, 0.8% Filipino, 2.4% Asian, and 1.7% American Indian. The most diverse region is Southern (48.0% Caucasian – 52.0% minority) and the least diverse region in California is Superior (78.5% Caucasian – 22.5% minority).

## Program Enrollment

A review of the data reveals that 31.3% of the students are enrolled in Core I, 20.2% in Agricultural Mechanics, 12.7% in Core II, 12.2% in Ornamental Horticulture, 10.7% in Animal Science, 5.5% in Agricultural Business Management, 4.8% in Plant and Soil Science, and 2.6% in Forestry & Natural Resources.

An analysis of the data reveals that there has been significant change in the program enrollment areas of Core I (1.3% increase), Agriculture Mechanics (2.1% increase), and Agriculture Core II (3.7% decrease).

In identifying the region(s) with the highest percentage of its students being enrolled in a particular taxonomy, the data reveals:

- (a) The Southern Region has the most students enrolled in the Plant & Soil Science program area with 902 students;
- (b) The Southern Region has the most students enrolled in the Animal Science program area with 1622 students;
- (c) The San Joaquin Region has the most students enrolled in the Agricultural Mechanics program area with 2990 students;
- (d) The San Joaquin Region has the most students enrolled in the Agricultural Business Management program area with 927 students;
- (e) The Southern Region has the most students enrolled in the Ornamental

- Horticulture program area with 2113 students;
- (f) The San Joaquin Region has the most students enrolled in the Forestry & Natural Resources program area with 298 students;
  - (g) The Southern Region has the most students enrolled in the Agriculture Core I program area with 4941 students;
  - (h) The Central Region has the most students enrolled in the Agriculture Core II program area with 1710 students.

## **CONCLUSION**

Information gathered through the Program Enrollment Data Report provides the California Department of Education information that is of use in monitoring and improving agricultural education programs. An important part of the collection system is comparing the current data with that collected in previous years. This comparison allows for an evaluation of trends and a starting point in which the California Department of Education Agricultural Consultants can provide assistance in guiding agricultural education in California.

**1999-00**  
**Statewide Summary**  
**TEACHER INFORMATION**

<b># of Teachers:</b>	<b>C</b>	<b>NC</b>	<b>SJ</b>	<b>So</b>	<b>SC</b>	<b>Sup</b>	<b>Total</b>	<b>%</b>
Male	85	31	101	69	57	83	426	65.9%
Female	44	17	46	61	20	32	220	34.1%
Totals	129	48	147	130	77	115	646	100%
<b>Teacher Salaries:</b>	<b>C</b>	<b>NC</b>	<b>SJ</b>	<b>So</b>	<b>SC</b>	<b>Sup</b>	<b>Total</b>	<b>%</b>
80,000 or Above	02	01	00	03	00	00	006	00.9%
70,000 – 79,999	07	02	05	04	00	03	021	03.3%
60,000 – 69,999	17	09	31	19	06	15	097	15.0%
50,000 – 59,999	31	10	34	35	21	32	163	25.2%
40,000 – 49,999	38	09	42	37	27	25	178	27.6%
30,000 – 39,999	31	13	30	24	16	31	145	22.4%
29,999 or Below	03	04	05	08	07	09	036	05.6%
<b>Extended Contracts:</b>	<b>C</b>	<b>NC</b>	<b>SJ</b>	<b>So</b>	<b>SC</b>	<b>Sup</b>	<b>Total</b>	<b>%</b>
5,000 or Above	83	28	92	56	28	48	335	51.9%
2,500 – 4,999	24	07	22	32	15	32	132	20.4%
1,600 – 2,499	09	05	12	15	12	17	070	10.8%
0,001 – 1,599	02	01	02	03	02	03	013	02.0%
None	11	07	19	24	20	15	096	14.9%
<b>SOE Periods:</b>	<b>C</b>	<b>NC</b>	<b>SJ</b>	<b>So</b>	<b>SC</b>	<b>Sup</b>	<b>Total</b>	<b>%</b>
Yes	59	28	86	46	31	66	316	48.9%
No	70	20	61	84	46	49	330	51.1%
<b>FFA Stipends:</b>	<b>C</b>	<b>NC</b>	<b>SJ</b>	<b>So</b>	<b>SC</b>	<b>Sup</b>	<b>Total</b>	<b>%</b>
Yes	52	13	63	52	37	27	244	37.8%
No	77	35	84	78	40	88	402	62.2%
<b>Dept Head Stipend:</b>	<b>C</b>	<b>NC</b>	<b>SJ</b>	<b>So</b>	<b>SC</b>	<b>Sup</b>	<b>Total</b>	<b>%</b>
Yes	21	06	27	28	14	15	111	36.2%
No	31	26	32	40	26	41	196	63.8%
Totals	52	32	59	68	40	59	307	100%

**1999-00**  
**Statewide Summary**  
**STUDENT INFORMATION**

**A. Students Enrolled by Grade Level and Year in Agriculture:**

<b>Current Year in Agriculture</b>	<b>9th</b>	<b>10th</b>	<b>11th</b>	<b>12th</b>	<b>Totals</b>
<b>First Year</b>	18,437	6,222	4,187	2,733	31,579
<b>%</b>	35.1%	11.9%	8.0%	5.2%	60.2%
<b>Second Year</b>	-----	7,893	2,568	1,606	12,067
<b>%</b>		15.1%	4.9%	3.0%	23.0%
<b>Third Year</b>	-----	-----	4,348	1,343	5,691
<b>%</b>			8.3%	2.6%	10.9%
<b>Fourth Year</b>	-----	-----	-----	3,090	3,090
<b>%</b>				5.9%	5.9%
<b>Totals</b>	18,437	14,115	11,103	8,772	52,427
<b>%</b>	35.1%	27.0%	21.2%	16.7%	100%

**1999-00**  
**Statewide Summary**  
**STUDENT INFORMATION**

**B. Student Gender and Ethnicity Enrollment By Program Area:**

<b>Program Area:</b>	<b>Male</b>	<b>Female</b>	<b>W</b>	<b>H</b>	<b>B</b>	<b>F</b>	<b>A</b>	<b>AI</b>	<b>Total%</b>
<b>Plant &amp; Soil Science</b>	1329	1181	1396	926	79	21	57	31	04.8%
<b>Animal Science</b>	2559	3031	3719	1422	163	46	125	115	10.7%
<b>Ag Mechanics</b>	9680	915	6512	3559	172	45	127	180	20.2%
<b>Ag Business Management</b>	1348	1545	1998	723	034	021	049	068	05.5%
<b>Ornamental Horticulture</b>	2488	3887	2881	2697	354	070	284	089	12.2%
<b>Forestry &amp; Natural Resources</b>	0779	0572	911	346	012	004	043	035	02.6%
<b>Basic Ag Core I</b>	8796	7654	9010	6075	499	128	451	287	31.3%
<b>Basic Ag Core II</b>	3446	3217	4082	2077	191	064	138	111	12.7%
<b>Totals</b>	30425	22002	30509	17825	1504	399	1274	916	52,427
<b>%</b>	58.0%	42.0%	58.2%	34.0%	2.9%	0.8%	2.4%	1.7%	100%
<b>% Difference PY</b>	+ .8	- .8	-1.6	+1.7	+ .2	- .1	- .1	- .1	+ .03

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian

**SOUTH COAST REGION**

**C. Students Enrolled by Grade Level and Year in Agriculture:**

<b>Year in Agriculture</b>	<b>9th</b>	<b>10th</b>	<b>11th</b>	<b>12th</b>	<b>Totals</b>
<b>First Year</b>	2323	812	650	377	4162
<b>%</b>	35.0%	13.1%	9.7%	5.6%	63.4%
<b>Second Year</b>	-----	927	316	170	1413
<b>%</b>		14.0%	4.6%	2.5%	21.1%
<b>Third Year</b>	-----	-----	540	169	709
<b>%</b>			8.0%	2.5%	10.5%
<b>Fourth Year</b>	-----	-----	-----	330	330
<b>%</b>				5.0%	5.0%
<b>Totals</b>	2323	1739	1506	1046	6614
<b>%</b>	35.0%	27.1%	22.3%	15.6%	100%

**D. South Coast Student Gender and Ethnicity Enrollment By Program Area:**

<b>Program Area:</b>	<b>Male</b>	<b>Female</b>	<b>W</b>	<b>H</b>	<b>B</b>	<b>F</b>	<b>A</b>	<b>AI</b>	<b>Total %</b>
<b>Plant &amp; Soil</b>	124	124	085	142	11	04	06	00	03.7%
<b>Animal Science</b>	157	153	202	97	04	02	00	05	04.7%
<b>Ag Mechanics</b>	1056	082	663	444	10	04	09	08	17.2%
<b>Ag Business</b>	121	147	165	89	02	03	01	08	04.1%
<b>O. H.</b>	635	938	576	728	189	21	42	17	23.8%
<b>Forestry</b>	048	053	063	036	02	00	00	00	01.5%
<b>Basic Ag Core I</b>	1058	944	981	905	45	24	25	22	30.3%
<b>Basic Ag Core II</b>	483	491	516	413	17	12	10	06	14.7%
<b>Totals</b>	3682	2932	3251	2854	280	70	93	66	6614
<b>%</b>	55.7%	44.3%	49.2%	43.2%	4.2%	1.0%	1.4%	1.0%	100%

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian

## SAN JOAQUIN REGION

### E. Students Enrolled by Grade Level and Year in Agriculture:

Year in Agriculture	9th	10th	11th	12th	Totals
<b>First Year</b>	4379	1248	678	565	6870
<b>%</b>	36.4%	10.4%	5.6%	4.7%	57.1%
<b>Second Year</b>	-----	1941	548	351	2840
<b>%</b>		16.1%	4.6%	2.9%	23.6%
<b>Third Year</b>	-----	-----	1144	310	1454
<b>%</b>			9.5%	2.6%	12.1%
<b>Fourth Year</b>	-----	-----	-----	879	879
<b>%</b>				7.2%	7.2%
<b>Totals</b>	4379	3189	2370	2105	12043
<b>%</b>	36.4%	26.5%	19.7%	17.4%	100%

### F. San Joaquin Student Gender and Ethnicity Enrollment By Program Area:

Program Area:	Male	Female	W	H	B	F	A	AI	Total %
<b>Plant &amp; Soil</b>	264	228	224	237	06	05	11	09	04.0%
<b>Animal Science</b>	550	620	689	417	22	07	17	18	09.7%
<b>Ag Mechanics</b>	2837	153	1390	1478	33	14	31	44	24.8%
<b>Ag Business</b>	417	510	587	297	12	07	16	08	07.7%
<b>O.H.</b>	489	569	430	550	16	05	39	18	08.8%
<b>Forestry</b>	168	130	116	171	01	01	05	04	02.5%
<b>Basic Ag Core I</b>	1886	1553	1585	1638	86	15	63	52	28.6%
<b>Basic Ag Core II</b>	941	728	938	651	32	10	11	27	13.9%
<b>Totals</b>	7552	4491	5959	5439	208	64	193	180	12043
<b>%</b>	62.7%	37.3%	49.5%	45.2%	1.7%	0.5%	1.6%	1.5%	100%

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian

## CENTRAL REGION

### G. Students Enrolled by Grade Level and Year in Agriculture:

Year in Agriculture	9th	10th	11th	12th	Totals
<b>First Year</b>	3465	916	648	521	5550
<b>%</b>	34.2%	9.0%	6.4%	5.2%	54.8%
<b>Second Year</b>	-----	1879	457	287	2623
<b>%</b>		18.6%	4.5%	2.8%	25.9%
<b>Third Year</b>	-----	-----	905	285	1190
<b>%</b>			9.0%	2.8%	11.8%
<b>Fourth Year</b>	-----	-----	-----	761	761
<b>%</b>				7.5%	7.5%
<b>Totals</b>	3465	2795	2010	1854	10124
<b>%</b>	34.2%	27.6%	19.9%	18.3%	100%

### H. Central Student Gender and Ethnicity Enrollment By Program Area:

Program Area:	Male	Female	W	H	B	F	A	AI	Total %
<b>Plant &amp; Soil</b>	156	181	255	50	11	03	15	03	03.3%
<b>Animal Science</b>	340	543	630	126	52	17	51	07	08.7%
<b>Ag Mechanics</b>	2019	235	1490	640	28	15	44	37	22.3%
<b>Ag Business</b>	314	364	525	109	12	04	12	16	06.7%
<b>O. H.</b>	223	604	417	262	36	12	94	06	08.2%
<b>Forestry</b>	185	107	202	048	06	02	30	04	02.9%
<b>Basic Ag Core I</b>	1622	1521	2008	772	120	31	174	38	31.0%
<b>Basic Ag Core II</b>	843	867	1139	393	60	27	68	23	16.9%
<b>Totals</b>	5702	4422	6666	2400	325	111	488	134	10124
<b>%</b>	56.3%	43.7%	65.8%	23.8%	3.2%	1.1%	4.8%	1.3%	100%

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian

## NORTH COAST REGION

### I. Students Enrolled by Grade Level and Year in Agriculture:

Year in Agriculture	9th	10th	11th	12th	Totals
<b>First Year</b>	1212	463	282	148	2105
<b>%</b>	32.7%	12.5%	7.6%	4.0%	56.8%
<b>Second Year</b>	-----	574	197	133	904
<b>%</b>		15.5%	5.3%	3.6%	24.4%
<b>Third Year</b>	-----	-----	341	117	458
<b>%</b>			9.2%	3.2%	12.4%
<b>Fourth Year</b>	-----	-----	-----	241	241
<b>%</b>				6.4%	6.4%
<b>Totals</b>	1212	1037	820	639	3708
<b>%</b>	32.7%	28.0%	22.1%	17.2%	100%

### J. North Coast Student Gender and Ethnicity Enrollment By Program Area:

Program Area:	Male	Female	W	H	B	F	A	AI	Total %
<b>Plant &amp; Soil</b>	161	158	238	58	07	04	10	02	08.6%
<b>Animal Science</b>	279	318	490	68	10	01	05	23	16.1%
<b>Ag Mechanics</b>	535	069	476	93	09	02	09	15	16.3%
<b>Ag Business</b>	084	103	165	18	00	01	02	01	05.0%
<b>O.H.</b>	135	199	222	90	06	02	03	11	09.0%
<b>Forestry</b>	162	120	242	29	02	00	02	07	07.6%
<b>Basic Ag Core I</b>	535	506	792	162	21	10	20	36	28.1%
<b>Basic Ag Core II</b>	175	169	276	25	24	04	07	08	09.3%
<b>Totals</b>	2066	1642	2901	543	79	24	58	103	3708
<b>%</b>	55.7%	44.3%	78.2%	14.6%	2.1%	0.7%	1.6%	2.8%	100%

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian

**SUPERIOR REGION**

**K. Students Enrolled by Grade Level and Year in Agriculture:**

<b>Year in Agriculture</b>	<b>9th</b>	<b>10th</b>	<b>11th</b>	<b>12th</b>	<b>Totals</b>
<b>First Year</b>	2205	903	616	331	4055
<b>%</b>	31.0%	12.7%	8.7%	4.7%	57.1%
<b>Second Year</b>	-----	1042	421	253	1716
<b>%</b>		14.7%	5.9%	3.6%	24.2%
<b>Third Year</b>	-----	-----	659	229	888
<b>%</b>			9.3%	3.2%	12.5%
<b>Fourth Year</b>	-----	-----	-----	443	443
<b>%</b>				6.2%	6.2%
<b>Totals</b>	2205	1945	1696	1256	7102
<b>%</b>	31.0%	27.4%	23.9%	17.7%	100%

**L. Superior Region Student Gender and Ethnicity Enrollment By Program Area:**

<b>Program Area:</b>	<b>Male</b>	<b>Female</b>	<b>W</b>	<b>H</b>	<b>B</b>	<b>F</b>	<b>A</b>	<b>AI</b>	<b>Total %</b>
<b>Plant &amp; Soil</b>	115	094	168	28	02	01	05	05	02.9%
<b>Animal Science</b>	426	582	780	143	19	05	25	36	14.2%
<b>Ag Mechanics</b>	1945	236	1779	305	15	05	27	50	30.7%
<b>Ag Business</b>	196	179	266	63	04	02	15	25	05.3%
<b>O. H.</b>	184	286	345	78	06	03	20	18	06.6%
<b>Forestry</b>	168	116	233	029	01	01	06	14	04.1%
<b>Basic Ag Core I</b>	989	895	1458	279	27	05	45	70	26.5%
<b>Basic Ag Core II</b>	312	379	547	104	09	02	08	21	09.7%
<b>Totals</b>	4335	2767	5576	1029	83	24	151	239	7102
<b>%</b>	61.0%	39.0%	78.5%	14.5%	1.2%	0.3%	2.1%	3.4%	100%

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian

**SOUTHERN REGION**

**M. Students Enrolled by Grade Level and Year in Agriculture:**

<b>Year in Agriculture</b>	<b>9th</b>	<b>10th</b>	<b>11th</b>	<b>12th</b>	<b>Totals</b>
<b>First Year</b>	4853	1880	1313	791	8837
<b>%</b>	37.8%	14.7%	10.2%	6.2%	68.9%
<b>Second Year</b>	-----	1530	629	412	2571
<b>%</b>		11.9%	4.9%	3.2%	20.0%
<b>Third Year</b>	-----	-----	759	233	992
<b>%</b>			5.9%	1.8%	7.7%
<b>Fourth Year</b>	-----	-----	-----	436	436
<b>%</b>				3.4%	3.4%
<b>Totals</b>	4853	3410	2701	1872	12836
<b>%</b>	37.8%	26.6%	21.0%	14.6%	100%

**N. Southern Student Gender and Ethnicity Enrollment By Program Area:**

<b>Program Area:</b>	<b>Male</b>	<b>Female</b>	<b>W</b>	<b>H</b>	<b>B</b>	<b>F</b>	<b>A</b>	<b>AI</b>	<b>Total %</b>
<b>Plant &amp; Soil</b>	509	396	426	411	42	04	10	12	07.1%
<b>Animal Science</b>	807	815	928	571	56	14	27	26	12.6%
<b>Ag Mechanics</b>	1288	140	714	599	77	05	07	26	11.1%
<b>Ag Business</b>	216	242	290	147	04	04	03	10	03.6%
<b>O.H.</b>	822	1291	891	989	101	27	86	19	16.5%
<b>Forestry</b>	048	046	055	033	00	00	00	06	00.7%
<b>Basic Ag Core I</b>	2706	2235	2186	2319	200	43	124	69	38.5%
<b>Basic Ag Core II</b>	692	583	666	491	49	09	34	26	09.9%
<b>Totals</b>	7088	5748	6156	5560	529	106	291	194	12836
<b>%</b>	55.2%	44.8%	48.0%	43.3%	4.1%	0.8%	2.3%	1.5%	100%

(W) White; (H) Hispanic; (B) Black; (F) Filipino; (A) Asian; (AI) American Indian