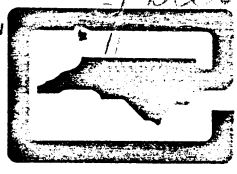


*Agricultural
Forecasting*

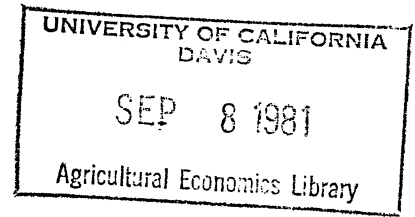


**AGRICULTURAL
EXTENSION
SERVICE**

1981

*North Carolina State University
School of Agriculture and Life Sciences*

Extension Economics and Business
Box 5576 Zip 27650



August 20, 1981

Mrs. Mary Farrens
Librarian
Agricultural Economics Library
University of California
Davis, CA 95616

Dear Mrs. Farrens:

I did not prepare a formal paper for the "Crop Forecast" presented at the AAEE meeting in Clemson. Instead, I presented the results of the outlook survey and commented on them. I am pleased to send you a copy of the results of the survey which I hope that you will find helpful.

Sincerely,

T. Everett Nichols, Jr.
Extension Economist

TEN/cag

Enclosure

TABLE 1.

CHARACTERISTICS OF RESPONDENTS

Affiliation:

	<u>University</u>	<u>Industry/Business</u>	<u>Government</u>
Number:	29	10	5

Use of Formal Models:

	<u>Major</u>	<u>Moderate</u>	<u>Minor</u>	<u>None</u>
Number:	3	12	17	12

Forecasting Responsibilities:

	<u>Major</u>	<u>Moderate</u>	<u>Minor</u>
Number:	17	15	12

TABLE 2.

LIVESTOCK PRODUCTION AND PRICES

	<u>N</u>	<u>Mean</u>	<u>S.D.</u>	<u>Min</u>	<u>Max</u>	<u>C.V.</u>
Beef Production						
1981 as pct. 1980	32	102.2	2.13	98.0	108.0	2.1
1982 as pct. 1981	32	102.3	2.16	97.0	106.0	2.1
Fed Cattle Prices (\$/cwt.)						
1981 (Ch. Str. Omaha)	33	67.66	2.31	62.00	75.00	3.4
1982 (Ch. Str. Omaha)	33	70.93	3.09	65.00	78.00	4.4
Feeder Cattle Prices (\$/cwt.)						
1981 (Ch. Str. K.C.)	26	69.57	4.71	63.00	82.00	6.8
1982 (Ch. Str. K.C.)	25	73.89	6.43	63.00	90.00	8.7
Pork Production						
1981 as pct. 1980	32	94.2	3.14	91.0	105.0	3.3
1982 as pct. 1981	32	96.8	3.66	90.0	106.0	3.8
Hog Prices (\$/cwt.)						
1981 (7 mkt. avg.)	33	47.33	1.92	43.00	53.00	4.1
1982 (7 mkt. avg.)	33	52.21	3.39	44.00	59.00	6.5
Broiler Production						
1981 as pct. 1980	21	104.2	2.00	100.0	108.0	1.9
1982 as pct. 1981	22	103.1	1.95	100.0	108.0	1.9
Broiler Prices (¢/lb.)						
1981 (9 city avg.)	21	49.69	1.66	47.0	54.0	3.3
1982 (9 city avg.)	21	52.36	3.47	47.0	64.3	6.6
Egg Production						
1981 as pct. 1980	12	99.8	0.84	98.0	101.0	0.8
1982 as pct. 1981	13	100.1	1.32	98.0	102.0	1.3
Egg Prices (¢/doz.)						
1981 (N.Y. A Lg.)	12	73.23	1.96	70.0	76.0	2.7
1982 (N.Y. A Lg.)	13	73.18	3.11	68.0	78.5	4.3

TABLE 3.

CROP PRODUCTION AND PRICES

	<u>N</u>	<u>Mean</u>	<u>S.D.</u>	<u>Min</u>	<u>Max</u>	<u>C.V.</u>
Wheat Production and Use						
Production 81-82	15	2671	123.90	2400	2860	4.6
Exports 81-82	15	1545	173.86	975	1700	11.3
Carryout 81-82	15	1180	119.45	1000	1500	10.1
Wheat Prices (\$/bu.)						
1980-81 (#1 HRW, K.C.)	15	4.36	0.15	4.00	4.50	3.4
1981-82 (#1 HRW, K.C.)	16	4.19	0.30	3.50	4.75	7.2
Corn Production and Use						
Exports 80-81	16	2513	55.65	2450	2700	2.2
Carryout 80-81	18	873	85.16	720	1010	9.8
Production 81-82	19	7368	231.28	6800	7800	3.1
Exports 81-82	19	2411	367.48	1000	2900	15.2
Carryout 81-82	19	901	179.07	550	1200	19.9
Corn Prices (\$/bu.)						
1980-81 (#2 Yel. Chicago)	20	3.39	0.11	3.15	3.55	3.2
1981-82 (#2 Yel. Chicago)	21	3.41	0.27	2.90	3.90	7.9
Cotton Production and Use						
Exports 80-81	10	6.07	0.10	6.00	6.30	1.7
Carryout 80-81	10	2.42	0.12	2.20	2.60	5.0
Production 81-82	10	13.83	0.19	13.50	14.20	1.4
Exports 81-82	10	6.96	0.35	6.30	7.40	5.0
Carryout 81-82	10	3.26	0.26	2.90	3.80	8.0
Cotton Prices (¢/lb)						
1980-81 (U.S. SLM, 1-1/16)	11	80.17	3.80	72.00	85.00	4.7
1981-82 (U.S. SLM, 1-1/16)	11	76.34	3.45	72.50	85.00	4.5

TABLE 3. (cont.)

CROP PRODUCTION AND PRICES

	<u>N</u>	<u>Mean</u>	<u>S.D.</u>	<u>Min</u>	<u>Max</u>	<u>C.V.</u>
Soybean Production and Use						
Exports 80-81	14	745	17.65	720	775	2.4
Carryout 80-81	15	302	26.07	260	358	8.6
Production 81-82	15	2020	78.16	1870	2100	3.9
Exports 81-82	14	821	31.59	750	875	3.9
Carryout 81-82	15	306	67.48	180	400	22.1
Soybean Prices (\$/bu)						
1980-81 (#1 Yel. Chicago)	15	7.54	0.16	7.10	7.75	2.1
1981-82 (#1 Yel. Chicago)	16	7.53	0.58	6.50	8.97	7.7
Soybean Oil Prices (¢/lb)						
1980-81 (Decatur)	13	24.23	2.12	22.90	30.00	8.8
1981-82 (Decatur)	13	24.49	1.78	22.00	28.00	7.3
Soybean Meal Prices (\$/ton)						
1980-81 (Decatur)	16	220.13	6.02	210.00	235.00	2.7
1981-82 (Decatur)	17	218.58	21.08	175.00	257.00	9.6

TABLE 4.

AGRICULTURAL COSTS AND RETURNS

	<u>N</u>	<u>Mean</u>	<u>S.C.</u>	<u>Min</u>	<u>Max</u>	<u>C.V.</u>
Cash Receipts from Marketing						
All Crops & Products						
1981 (\$ Bil.)	11	76.27	2.72	72.0	82.0	3.6
1982 (\$ Bil.)	10	81.01	4.70	74.0	87.0	5.8
All Livestock & Products						
1981 (\$ Bil.)	11	74.33	2.87	69.0	78.0	3.9
1982 (\$ Bil.)	10	80.50	5.27	69.5	87.0	6.6
Realized Net Farm Income						
1981 (\$ Bil.)	14	24.14	1.72	21.0	27.0	7.1
1982 (\$ Bil.)	13	27.41	2.30	22.0	30.0	8.4
Land Values						
1981 (% change from 1980)	16	6.90	2.31	3.0	10.0	33.5
1982 (% change from 1981)	15	8.12	3.30	1.0	14.5	40.6
Real GNP						
% change 80 to 81	21	2.28	1.11	0.0	5.0	48.7
% change 81 to 82	20	3.39	1.11	1.0	6.0	32.7
CPI All Items						
% change 80 to 81	22	9.82	0.82	8.5	11.5	8.4
% change 81 to 82	21	8.73	1.35	7.0	12.0	15.5
Food Prices (all at home and away)						
% change 80 to 81	20	8.20	1.44	5.0	11.0	17.6
% change 81 to 82	18	9.04	1.80	5.0	12.5	19.9

TABLE 5.

1982 MEAN VALUE PROJECTIONS BY

RESPONDENT AFFILIATION

	<u>Univ.</u>	<u>Ind./Bus.</u>	<u>Gov't.</u>
Slaughter Steer Price	71.78	69.03	70.60
Feeder Steer Price	75.10	68.65	75.50
Hog Price	52.23	52.72	51.34
Broiler Price	52.03	52.46	53.33
Egg Price	72.43	74.43	73.67
Corn Price	3.35	3.44	3.53
Wheat Price	4.21	4.18	4.19
Cotton Price	78.0	75.3	74.3
Soybean Price	7.59	7.46	7.48
Soybean Oil Price	24.97	23.96	24.35
Soybean Meal Price	223.22	204.97	238.50
Cash Receipts, Crops (\$ Bil.)	79.4	80.0	86.5
Cash Receipts, Livestock (\$ Bil.)	78.1	82.8	83.0
Net Farm Income (\$ Bil.)	28.3	27.2	26.5
Land Value	+6.43	+7.33	+11.88
Real BNP	+3.39	+2.97	+4.13
CPI	+8.4	+8.6	+9.9
Food Prices	+8.6	+8.9	+10.9

TABLE 6.

1982 MEAN VALUE PROJECTIONS BY

OUTLOOK RESPONSIBILITY

	<u>Maj</u>	<u>Mod</u>	<u>Min</u>
Slaughter Steer Price	70.41	71.94	70.60
Feeder Steer Price	71.70	73.97	76.56
Hog Price	52.97	52.07	51.37
Broiler Price	52.6	53.7	51.0
Egg Price	71.6	76.2	73.0
Corn Price	3.44	3.28	3.46
Wheat Price	4.25	3.93	4.19
Cotton Price	75.3	75.0	78.4
Soybean Price	7.40	7.82	7.49
Soybean Oil Price	23.95	26.00	25.18
Soybean Meal Price	212.88	225.00	228.00
Cash Receipts, Crops (\$ Bil.)	81.7	80.8	80.7
Cash Receipts, Livestock (\$ Bil.)	82.8	82.3	75.8
Net Farm Income (\$ Bil.)	27.8	28.3	25.9
Land Value	+7.56	+8.30	+8.50
Real GNP	+2.94	+3.47	+3.92
CPI	+8.1	+9.5	+8.6
Food Prices	+9.0	+9.5	+8.6

TABLE 7. 1982 PROJECTIONS BY OUTLOOK SPECIALISTS
VS OTHERS RESPONDING

	<u>Specialists</u>	<u>Others</u>
Slaughter Cattle Prices	70.43	75.86
Feeder Cattle Prices	71.69	82.24
Hog Prices	53.38	51.24
Broiler Prices	52.16	52.39
Egg Prices	71.50	73.48
Wheat Prices	4.19	4.20
Corn Prices	3.34	3.45
Cotton Prices	76.2	77.5
Soybean Prices	7.72	7.34
Soybean Oil Prices	24.36	24.56
Soybean Meal Prices	218.17	218.8
Cash Receipts, Crops (\$ Bil.)	79.25	82.18
Cash Receipts, Livestock (\$ Bil.)	80.75	80.33
Net Farm Income (\$ Bil.)	27.5	27.4
Land Values (81-82)	+6.75	+8.33
Real GNP (81 to 82)	+3.38	+3.39
CPI (81 to 82)	+8.03	+8.84
Food Prices (81 to 82)	+9.35	+8.88