



The Poultry Informed Professional



Published by the Department of Avian Medicine, University of Georgia

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Excerpts from the latest Economic Research Service and National Agricultural Statistics Service USDA Reports
“ Livestock, Dairy and Poultry Situation and Outlook (ERS)”
“Broiler Hatchery and “Chicken and Eggs”(NASS)

According to Economic Research Reports (ERS) U.S. livestock and poultry prices remain under pressure from record meat production and further shrinkage in net exports ... Broiler prices are expected to decline this year as production increases and exports decline. Expected lower feed costs in 1999 will help boost hog producers returns and partially offset lower broiler prices, softening the effect on producers' net returns.

Poultry Production to Rise
 Broiler producers are expected to respond to 1998's high returns by

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Broiler Performance Data (Region) Live Production Cost					
	SW	Midwest	Southeast	Mid-Atlantic	S-Central
Feed cost/ton w/o color (\$)	126.14	118.35	134.19	132.33	129.34
Feed cost/lb meat (¢)	12.04	11.80	13.40	13.29	12.95
Days to 4.6 lbs	45	44	45	44	45
Med. cost/ton (¢)	2.45	1.88	3.33	3.05	2.59
Chick cost/lb (¢)	3.91	3.51	3.91	3.70	3.54
Vac-Med cost/lb (¢)	0.07	0.05	0.11	0.06	0.12
WB & 1/2 parts condemn. cost/lb	0.25	0.29	0.46	0.34	0.40
% mortality	4.14	5.67	5.46	5.11	5.60
Sq. Ft. @ placement	0.76	0.74	0.76	0.75	0.82
Lbs./Sq. Ft.	6.34	7.34	6.82	7.15	6.71
Down time (days)	15	16	13	15	14

Data for week ending 1/29/99

E-Mail Notice

We are currently organizing our system to enable us to e-mail the Poultry Informed Professional newsletter. If you would like to receive your newsletter via e-mail, please fax your name and e-mail address to Sue Clanton at (706) 542-5630.

BROILERS

Selected Countries	(1,000 Metric Tons in Ready-to-Cook Equivalent)									Kilograms per person		
	Total Broiler Meat Production			Total Broiler Meat Imports			Total Broiler Meat Exports			Per Capita Broiler Meat Consumption		
	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)
NORTH AMERICA												
Canada	750	790	815	72	75	76	56	55	55	25.5	26.6	27.3
Mexico	1,493	1,568	1,645	111	128	140				16.9	17.5	18.1
United States	12,265	12,483	13,128	2	2	2	2,115	2,124	2,052	38.3	38.7	40.9
Subtotal	14,508	14,841	15,588	185	205	218	2,171	2,179	2,107			
SOUTH AMERICA												
Argentina	770	815	855	46	55	45	17	20	30	17.3	16.1	16.2
Brazil	4,461	4,485	4,487	0	0	0	650	570	560	22.7	23.7	24.0
Colombia	609	639	665				3	12	12	23.0	23.4	23.1
Venezuela												
Subtotal	5,840	5,939	6,007	46	55	45	670	602	602			
EUROPEAN UNION												
Belgium-Lux	242	237	240	2	2	2	43	40	45	17.5	18.2	17.5
Denmark	161	164	165	0	0	0	55	40	39	14.2	16.8	16.1
France	1,212	1,237	1,240	13	13	15	321	315	310	13.4	13.7	13.9
Germany	349	356	360	55	35	37	15	13	10	7.6	7.6	7.7
Greece	155	156	156	1	0	0	7	6	5	16.7	16.6	16.8
Ireland	76	78	79	0	0	0	2	1	1	20.3	20.5	20.4
Italy	673	673	672	9	9	9	10	10	10	11.4	11.5	11.4
Netherlands	636	644	634	19	18	10	168	124	153	16.3	16.4	15.8
Portugal	215	216	217	0	0	0	3	2	2	21.9	22.0	22.1
Spain	884	895	893	25	21	21	2	3	3	22.9	22.9	22.9
United Kingdom	1,114	1,144	1,172	18	21	21	54	50	50	20.0	20.5	20.9
Subtotal	5,717	5,800	5,828	142	119	115	680	604	628			
EASTERN EUROPE												
Hungary	225	238	238				60	68	63	16.3	17.0	16.8
Poland	245	290	320	49	52	50				7.3	8.6	9.3
Romania	140	130	125	15	20	23	1	1	1			
Subtotal	610	658	683	64	72	73	61	69	64			
FORMER SOVIET UNION												
Russia	200	205	220	1,105	762	635				8.8	6.5	5.7
Ukraine	151	166	180							3.0	3.5	3.6
Subtotal	351	371	400	1,105	762	635						
MIDDLE EAST												
Israel	163	165	160				1	1	1	29.1	30.0	29.2
Kuwait	24	25	26									
Saudi Arabia	423	435	448	294	282	281	24	26	28	36.3	35.4	34.7
United Arab Emirates	22	25	28									
Subtotal	632	650	662	294	282	281	25	27	29			
AFRICA												
Egypt	350	360	380							5.5	5.6	5.9
Republic of South Africa	663	690	701	53	56	59	8	10	12	16.7	17.0	16.9
Subtotal	1,013	1,050	1,081	53	56	59	8	10	12			
ASIA												
China(PRC)	5,615	5,900	6,300	740	715	720	405	375	395	4.9	5.1	5.4
Hong Kong	67	33	64	815	799	839	557	580	603	45.9	43.4	44.7
Japan	1,118	1,100	1,100	496	495	495	3	3	3	13.0	12.7	12.7
Singapore	49	42	49	65	60	66	10	7	7	4.9	4.5	4.9
Thailand	900	910	930				192	240	260	11.9	11.0	11.1
Subtotal	7,749	7,985	8,443	2,116	2,069	2,120	1,167	1,205	1,268			
OCEANIA												
Australia	480	524	540	0	0	0	8	10	11	25.8	27.9	28.4
Subtotal	480	524	540	0	0	0	8	10	11			
TOTAL	36,900	37,818	39,232	4,005	3,620	3,546	4,790	4,706	4,721			

Selected excerpts from United States Department of Agriculture, Foreign Agricultural Service "Livestock and Poultry: World Markets and Trade", October 1998.

SOURCE: FAS post reports, official statistics, and inter-agency analysis. U.S. Department of Agriculture
 1/EU trade excludes intra-EU trade Foreign Agricultural Service
 (p) preliminary (f) forecast Commodity and Marketing Programs
 Dairy, Livestock and Poultry Division

Turkeys

Selected Countries	(1,000 Metric Tons in Ready-to-Cook Equivalents)									Kilograms per person		
	Total Turkey Meat Production			Total Turkey Meat Imports			Total Turkey Meat Exports			Per Capita Turkey Meat Consumption		
	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)
NORTH AMERICA												
Canada	142	139	144	6	9	10	24	20	20	4.2	4.3	4.3
Mexico	11	11	11	83	88	95				1.0	1.0	1.1
United States	2,455	2,369	2,375	0	0	0	271	191	195	8.1	8.2	8.1
Subtotal	2,608	2,519	2,530	89	97	105	295	211	215			
SOUTH AMERICA												
Brazil	101	107	113	0	0	0	15	18	21	0.5	0.5	0.5
Subtotal	101	107	113	0	0	0	15	18	21			
EUROPEAN UNION												
Belgium-Lux	7	7	7	0	0	0	29	20	20	2.8	3.3	3.4
Denmark	11	11	10	0	0	0	2	2	1	2.8	2.8	2.8
France	731	738	730	1	1	1	117	85	64	6.1	6.6	6.8
Germany	243	255	268	31	40	43	12	15	14	2.9	3.0	3.2
Greece	3	3	3	0	0	0	0	0	0	0.9	0.9	0.9
Ireland	35	36	37	0	0	0	0	0	0	7.5	7.5	7.5
Italy	338	338	336	2	2	2	6	6	6	5.2	5.2	5.2
Netherlands	50	50	45	2	3	4	23	12	9	3.3	3.4	3.6
Portugal	44	45	46	0	0	0	0	0	0	4.5	4.6	4.2
Spain	21	22	22	0	0	0	7	7	7	1.3	1.4	1.4
United Kingdom	293	275	280	10	11	13	21	16	17	4.7	4.4	4.5
Subtotal	1,776	1,780	1,784	46	57	63	217	163	138			
EASTERN EUROPE												
Hungary	45	49	51									
Poland	70	85	93	11	12	13				0.2	0.3	0.3
Subtotal	115	134	144	11	12	13						
FORMER SOVIET UNION												
Russia	15	12	10	132	80	60				1.0	0.6	0.5
Subtotal	15	12	10	132	80	60						
MIDDLE EAST												
Israel	94	82	85				14	12	10	14.6	12.5	13.1
Subtotal	94	82	85				14	12	10			
AFRICA												
Republic of South Africa				25	27	28						
Subtotal				25	27	28						
ASIA												
Republic of South Korea				16	7	10	0	0	0			
Subtotal				16	7	10	0	0	0			
TOTAL	4,709	4,634	4,666	319	280	279	541	404	384			

*Selected excerpts from United States Department of Agriculture, Foreign Agricultural Service
"Livestock and Poultry: World Markets and Trade", October 1998.*

SOURCE: FAS post reports, official statistics, and inter-agency analysis.
1/EU trade excludes intra-EU trade
(p) preliminary (f) forecast

U.S. Department of Agriculture
Foreign Agricultural Service
Commodity and Marketing Programs
Dairy, Livestock and Poultry Division

EGGS

Selected Countries	(Million Pieces)									In pieces		
	Egg Production			Total Egg Imports Less Hatching			Total Egg Exports Less Hatching			Per Capita Egg Consumption Including Egg Products		
	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)	1997	1998(e)	1999(f)
NORTH AMERICA												
Canada	5,931	6,040	6,060	666	700	730	323	355	375	185	184	182
Mexico	28,170	29,000	30,000	217	220	228	0	0	0	297	300	305
United States	77,515	79,764	81,480	83	71	48	2,734	2,714	2,916	242	247	248
Subtotal	111,616	114,804	117,540	966	991	1,006	3,057	3,069	3,291			
SOUTH AMERICA												
Brazil	12,596	13,600	13,872				20	25	30	76	81	82
Colombia	7,411	7,782	8,100	28	29	33						
Subtotal	20,007	21,382	21,972	28	29	33	20	25	30			
EUROPEAN UNION												
Belgium-Lux	3,615	3,488	3,500	20	20	20	90	60	60	241	250	251
Denmark	1,600	1,600	1,600	0	0	0	77	77	77	269	262	260
France	16,084	16,250	16,400	215	212	212	340	340	350	255	252	253
Germany	14,025	14,075	14,090	111	25	80	179	125	140	227	227	228
Greece	2,640	2,640	2,640	0	0	0	8	8	8	236	236	235
Ireland	544	550	555	0	20	20	10	15	15	142	141	141
Italy	12,298	12,290	12,250	5	5	5	185	185	185	211	211	210
Netherlands	10,092	10,492	10,495	136	120	95	1,689	1,612	1,565	184	183	183
Portugal	1,779	1,700	1,750	20	20	20	3	3	3	163	155	160
Spain	9,450	9,250	9,350	11	6	6	8	15	18	215	212	213
United Kingdom	10,752	10,480	10,250	25	25	23	71	78	22	172	168	165
Subtotal	82,879	82,815	82,880	543	453	481	2,660	2,518	2,443			
EASTERN EUROPE												
Poland	7,700	8,300	8,500	77	100	120	5	10	15	190	205	211
Romania	4,750	4,700	4,650							105	102	102
Subtotal	12,450	13,000	13,150	77	100	120	5	10	15			
FORMER SOVIET UNION												
Russia	31,900	35,000	36,000	50	60	70	50	50	50	201	222	229
Ukraine	8,246	8,400	8,500									
Subtotal	40,146	43,400	44,500	50	60	70	50	50	50			
MIDDLE EAST												
Turkey	9,100	9,750	10,100	3	2	2	465	600	650	130	136	139
Subtotal	9,100	9,750	10,100	3	2	2	465	600	650			
ASIA												
China(PRC)	336,000	345,000	360,000	14	5	5	990	900	1,000	271	275	285
Hong Kong	17	12	15	1,661	1,509	1,630	24	21	22	259	229	242
India	29,500	31,000	32,000				250	350	400			
Japan	42,588	42,400	42,000	1,741	1,550	1,580				342	339	335
Republic of Korea	8,790	8,458	8,624	65	43	54				185	176	178
Taiwan	7,636	7,950	8,100				10	10	10	355	366	370
Thailand	8,900	8,500	8,600				50	150	100			
Subtotal	433,431	443,320	459,339	3,481	3,107	3,269	1,324	1,431	1,532			
TOTAL	709,629	728,471	749,481	5,148	4,742	4,981	7,581	7,703	8,011			

Selected excerpts from United States Department of Agriculture, Foreign Agricultural Service
"Livestock and Poultry: World Markets and Trade", October 1998.

SOURCE: FAS post reports, official statistics, and inter-agency analysis.
1/EU trade excludes intra-EU trade
(p) preliminary (f) forecast

U.S. Department of Agriculture
Foreign Agricultural Service
Commodity and Marketing Programs
Dairy, Livestock and Poultry Division

Excerpts from The Latest ERS and NASS Reports Continued from page 1

expanding production. Production in 1999 could increase to 27.8 million pounds, about 5 percent above 1998. Broiler meat exports are forecast to remain weak through much of 1999. Loss of the Russian market is not expected to be offset by gains to other markets and first-half exports could be 20-25 percent lower than 1998. As a result, stocks are expected to increase steadily through the year. Exports in the second half may increase relative to 1998 especially if sales opportunities to Russia begin to appear. Given the forecast increase in production, prices will likely average below 1998 levels for much of the year despite reduced supplies of red meat. Broiler prices will average 56 - 59 cents per lb. for the year but first quarter prices could be above 1998, ERS reports.

Turkey Producers Recovering

Turkey producers are recovering from 2 years of negative returns, which reduced production in 1998 and will lower production in the first quarter of 1999. Beyond the first quarter, production will expand but is forecast to be 5.25 million pounds for the year, fractionally above 1998. Prices are expected to average about the same as in 1998 - 62 cents per pound, according to ERS.

MONTHLY U.S. POULTRY and EGG EXPORTS

	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98
RTC, thousand lb.												
Broiler Exports												
Japan	12,591	23,089	18,736	16,461	19,765	18,542	19,583	14,945	14,857	23,208	24,616	19,231
Mexico	24,134	19,774	22,760	26,027	21,548	24,148	20,705	22,610	23,720	20,603	22,149	22,006
Hong Kong	77,908	25,916	56,673	82,046	91,456	64,836	82,472	88,718	66,709	84,827	80,806	91,099
Singapore	2,886	1,996	1,265	1,665	1,896	792	975	1,380	1,009	1,581	1,578	1,340
Canada	6,106	10,517	8,963	10,716	10,707	10,488	9,987	10,457	11,955	11,688	11,433	13,608
Russia	176,248	234,851	164,709	132,631	142,743	186,887	180,613	122,502	147,152	2,150	48,397	20,580
Total	401,604	440,624	407,423	392,963	397,049	474,640	470,756	424,943	415,025	243,299	303,519	282,534
Turkey Exports												
Mexico	24,477	11,710	15,263	15,309	13,645	19,389	25,664	19,681	20,089	25,453	30,342	22,112
S. Korea	100	168	145	47	291	132	48	380	503	432	924	860
Russia	6,975	3,616	6,186	9,874	8,144	13,095	9,688	8,108	5,501	553	131	536
Hong Kong	12,173	3,343	2,547	2,167	4,159	2,460	2,862	2,611	3,964	4,378	2,039	2,528
Total	57,134	29,717	31,181	34,558	31,296	41,637	46,284	37,835	35,266	36,471	39,680	31,317
Thousand doz.												
Shell Egg Exports	8,657	6,370	7,139	9,169	9,328	7,757	6,247	6,412	7,927	9,715	11,639	7,994

Source: U.S.D.A. Livestock, Dairy and Poultry Situation and Outlook Report 1/26/99

December Egg Production Up 2 Percent

National Agricultural Statistics Service (NASS) reports U.S. Egg production totaled 7.01 billion during December 1998, up 2 percent from the 6.84 billion produced in 1997. Production includes 5.93 billion table eggs and 1.07 billion hatching eggs, of which 1.01 billion were broiler type and 64.0 million were egg type. The total number of layers during December 1998 averaged 320 million, up 3 percent from the total average number of layers during December 1997. December egg production per 100 layers was 2,190 eggs, down slightly from 2,193 eggs in December 1997.

All layers in the U.S. on January 1, 1999, totaled 319 million, up 2 percent from a year ago. The 319 million layers consisted of 261 million layers producing table or commercial type eggs, 56.0 million layers producing egg-type hatching eggs. Rate of lay per day on January 1, 1999, averaged 70.3 eggs per 100 layers, down fractionally from the 70.4 a year ago.

Laying flocks in the 30 major egg production states produced 6.61 billion eggs during December, up 2 percent from December 1998. The average number of layers during December, at 302 million, was up 2 percent from a year earlier.

Egg-Type Chicks Hatched Down 1 Percent

Egg-type chicks hatched during December totaled 35.4 million, down 1 percent from December 1997. Eggs in incubators totaled 32.8 million on January 1, 1999, up 2 percent from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 175,000 during December 1998, down 15 percent from December 1997.

Broiler Hatch Up 3 Percent

The December 1998 hatch of broiler-type chicks, at 734 million, was up 3 percent from December of the previous year. There were 619 million eggs in incubators on January 1, 1999, up 5 percent from a year earlier.

Leading breeders placed 7.26 million broiler-type pullet chicks for future domestic hatchery supply flocks during December 1998, up 16 percent from December 1997, according to NASS.

Managing Rapid Growth in Broilers and Turkeys ACPV Workshop Vancouver 1999

The American College of Poultry Veterinarians will be sponsoring a workshop prior to the 48th Western Poultry Disease Conference. The workshop will present information and discussion on the problems and solutions of managing today's birds for rapid growth.

It will be held on Saturday, the 24th of April, 1999. The meeting will take place at the Landmark Hotel and Convention Center in Vancouver, British Columbia, Canada.

Pre-registration for the workshop will be \$125.00 U.S. For further information, please contact:

Lina Layiktezh

Conference and Event Services

1 Shields Avenue

University of California

Davis, CA 95616

Phone: (530) 757-3331 • Fax: (530) 757-7943 • E-mail: confandeventsSVCS@ucdavis.edu

Broiler Performance Data (Company) Live Production Cost

	Average Co.	Top 25%	Top 5 Cos.
Feed cost/ton w/o color (\$)	131.21	124.43	118.48
Feed cost/lb meat (¢)	12.80	11.99	11.61
Days to 4.6 lbs	45	45	43
Med. cost/ton (¢)	2.73	1.73	1.38
Chick cost/lb (¢)	3.83	3.50	3.26
Vac-Med cost/lb (¢)	0.08	0.05	0.05
WB & 1/2 parts condemn. cost/lb	0.35	0.20	0.14
% mortality	5.12	4.05	4.67
Sq. Ft. @ placement	0.76	0.75	0.75
Lbs./Sq. Ft.	6.74	6.69	7.28
Down time (days)	14	14	13

Data for week ending 1/29/99

Broiler Whole Bird Condemnation (Region)

	SW	Mid-West	S. East	Mid-Atlantic	S. Central
% Septox	0.540	0.356	0.337	0.450	0.379
% Airsac	0.123	0.149	0.742	0.262	0.454
% I.P.	0.111	0.056	0.385	0.215	0.257
% Leukosis	0.006	0.010	0.009	0.031	0.007
% Bruise	0.015	0.011	0.026	0.016	0.018
% Other	0.022	0.021	0.040	0.020	0.090
% Total	0.817	0.604	1.539	0.994	1.204
% 1/2 parts condemnations	0.372	0.394	0.308	0.378	0.397

Data for week ending 12/19/98



The Poultry Informed Professional Newsletter is published with support from Bayer Corporation

A Workshop on Poultry Neonatal Health and Disease

An in-depth exploration of the normal and abnormal, in the first two weeks of life

Presented by the Ontario Association of Poultry Practitioners and the Ontario Veterinary College, Department of Pathobiology, University of Guelph, in association with the American College of Poultry Veterinarians.

Date: June 10-12, 1999

Location: Life Learning Center, Ontario Veterinary College, University of Guelph, Guelph, Ontario

Registration fee: \$150.00 , space limited

For further information, contact Dr. Bruce Hunter, Department of Pathobiology, Ontario Veterinary College, University of Guelph, Guelph, Ontario, N1G 2W1, (519) 824-4120, ext. 4625, or visit the University's web site at <http://WWW.Uoguelph.ca>

Topics include: neonatal physiology; immune competence and vaccinology; the impact of the breeder flock , incubation and hatchery, and management on the health of the young bird; normal behavior; and an extensive overview of critical diseases in the neonatal period.

In addition, Dr. Dick Julian will be opening his extensive library of Kodachrome slides, to hold an informal review session of gross and histological avian pathology. This session is optional, but invaluable for anyone planning to take the ACPV examination or wanting a review.

The annual general meeting of the OAPP will be held June 11th.

Broiler Whole Bird Condemnation (Company)

	Average Co.	Top 25%	Top 5 Co.'s
% Septox	0.416	0.298	0.253
% Airsac	0.322	0.128	0.051
% I.P.	0.206	0.063	0.041
% Leukosis	0.017	0.006	0.007
% Bruise	0.017	0.015	0.006
% Other	0.039	0.016	0.043
% Total	1.016	0.526	0.042
% 1/2 parts condemnations	0.392	0.271	0.177

Data for week ending 1/29/99

Meetings, Seminars and Conventions

1999 February

February 22-23: USDA Agricultural Outlook Forum, Crystal Gateway Marriott Hotel, 1700 Jefferson Davis Hwy., Arlington, Va. Contact: Outlook Forum '99, Room 5143 South Bldg., USDA, Washington, D.C. 20250-3812. Phone (202) 720-3050.

February 22-26: PEPA Convention, Hilton Hotel, Palm Springs, Calif. Contact: Pacific Egg & Poultry Assn., 1521 1 St., Sacramento, Calif. 95814. Phone (916) 441-0801.

February 26-27: APF Spring Meeting, Arlington Hotel, Hot Springs, AR 72203. Phone (501) 375-8131.

1999 March

March 16-18: Midwest Poultry Federation Convention, River Centre, St. Paul, MN. Contact: Midwest Poultry Federation, 2380 Wycliff St., St. Paul, MN 55114-1257. Phone (612) 646-4553.

March 18-20: VIV-Asia, International Trade Fair on Intensive Animal Production, Queen Sirikit Centre, Bangkok, Thailand. Contact: Royal Dutch Jaarbeurs, P.O. Box 8500, 3505 RM Utrecht, Holland. Phone +31 30 295 59 11; Fax: + 31 30 29 40379.

March 24-25: 48th Annual New England Poultry Health Conference, Sheraton Hotel, Portsmouth, NH. Contact: New England Grain & Feed Council, P.O. Box G, Augusta, MA 04330.

March 23-25: Canadian Turkey Marketing Agency, Executive Committees Meeting 23rd, CTMA 25th Annual Meeting 24, CTMA Meeting 24-25, Chateau Laurier Hotel, Ottawa. Contact: CTMA. Phone (905) 564-9356.

1999 April

April 9-13: North Carolina/South

Carolina Joint Turkey Federations Spring Meeting, Embassy Suites Hotel, Myrtle Beach, S.C. Contact: North Carolina Turkey Federation, 4020 Barrett Dr., Suite 102, Raleigh, N.C. 27609. Phone (919) 783-8218.

April 13-14: Arkansas Poultry Symposium, Holiday Inn, Springdale, AR. Contact: Judy Kimbrell at Arkansas Poultry Federation. Phone (501) 375-8131.

April 14-15: Poultry Industry Conference & Exhibition, Western Fairgrounds, London, ON. Sponsored by the Ontario Poultry Council. Contact: Box 4550, Stn "D", London, ON. N5W 5K3. Phone (519) 438-7203; Fax (519) 679-3124.

April 14-16: 'Turkeys' 21st Technical Turkey Conference, Shrigley Hall Hotel, Pott Shrigley, Nr Macclesfield, Cheshire, UK. Contact: Conference Office, PO Box 18, Bishopdale, Leyburn DL8 3YY, US. Fax: +44 (0)1969 663764

April 24-27: 48th Western Poultry Disease Conference, Landmark Hotel & Conference Centre, Vancouver, BC. Contact: Lina Layiktez, Conference and Event Services, 1 Shields Avenue, University of California, Davis, CA 95616. Phone (530) 757-3331; Fax: (530) 757-7943; E-mail: confandeventsVCS@vcdavis.edu

Apr 29-May 2 — Georgia Poultry Federation Annual Spring Mtng., Brasstown Valley Resort, Young Harris, Ga. Contact: Georgia Poultry Federation, P.O. Box 763 Gainesville, Ga. 30503. Phone:770-532- 0473

1999 May

May 5-6: Trace Mineral Sympm. & Nutrition Conf., Fresno, Calif. Contact: California Animal Nutrition Conference Steering Committee, California Grain & Feed Assn., 1521 1 St., Sacramento, Calif. 95814. Phone (916) 441-2272.

May 6-7: National Breeders Roundtable, St. Louis, MO. Contact: USPOULTRY, 1530 Cooledge Road, Tucker, GA 30084-7303. Phone (770) 493-9401; fax (770) 493-9257; e-mail

mlyle@poultryegg.org or Internet www.poultryegg.org/.

May 12-13: Texas Poultry Federation Board Meeting, Dallas. Details from Texas Poultry Federation, P.O. Box 9589, Austin, TX 78766-9589. Phone (512) 451-6816; fax (512) 452-5142.

May 12-13: British Pig and Poultry Fair, National Agricultural Center, Stoneleigh Park, Warwickshire, England. Contact: Roual Agricultural Society of England, National Agricultural Center, Stoneleigh Park, WarwickshirCV8 2LZ, UK. Fax:+441203696900

May 22: GPF Night of Knights, Cobb Galleria Centre, Atlanta, GA. Contact: Georgia Poultry Federation, P.O. Box 763, Gainsville, Ga. 30503. Ph: (770) 532-0473.

1999 June

June 4-5: Arkansas Poultry Festival, Arlington Hotel, Hot Springs, Ark. Contact: Judy Kimbrell, Arkansas Poultry Federation, P.O. Box 1446, Little Rock, Ark. 72203. Phone (501) 375-8131.

June 18-19: Georgia Veterinary Medicine Association, Jekyll Island, Georgia. Contact: Beth Monte, Georgia Veterinary Medical Assn., 3050 Holcomb Bridge Road, Norcross, GA 30071. Phone: (770) 416-1633.

June 18-19: 51st Delmarva Chicken Festival, Crisifield, Md. Contact: Delmarva Poultry Industry, R.D. 6, Box 47, Georgetown, Del. 19947. Phone (302) 856-9037

June 22-24: 26th Poultry Science Symposium, Poultry Feedstuffs, Supply, Composition and Nutritive Value, Peebles, Edinburgh, Scotland, UK. Contact: Dr. Jim McNab, Roslin Institute (Edinburgh), Roslin, Midlothian EH25 9PS, Scotland, UK. Fax +44(0) 131-440-0434.

