

The Poultry Informed Professional is published by the Department of Avian Medicine of the University of Georgia College of Veterinary Medicine. © 1999 Board of Regents of the University System of Georgia except for: United States Government Publications: "Livestock, Dairy and Poultry Situation and Outlook" (Economic Research Service, U.S.D.A.); "Broiler Hatchery" and "Chicken and Eggs" (National Agricultural Statistics Service, Agricultural Statistics Board, U.S.D.A.) © 1999 Bayer Corporation. Articles may be reprinted with permission. For information or permission to reprint, contact Sue Clanton, (706) 542-1904.

Issue 54

October 2001



The Poultry Informed Professional

Published by the Department
of Avian Medicine, University of Georgia
Editor: Charles Hofacre, Associate Professor, Department
of Avian Medicine

Phone (706) 542-1904 Fax (706) 542-5630
e-mail: sclanton@arches.uga.edu

2001 Vaccine Survey

Provided by Merial Select
Gainesville, Georgia

Since the first Broiler Breeder Survey was published in 1987, Merial Select's Broiler Breeder/Commercial Layer Survey has positioned itself as a credible resource for reporting trends in vaccine use in the U.S. This is possible because you have been willing to entrust them with your vaccination programs. As a result, the graphs and percentages shown in this survey are composite figures compiled from all surveys received. The 2001 survey reflects percentages calculated by weighted average. This means that the percentages reflected are based upon the number of birds represented in the Broiler Breeder/Commercial Layer survey responses, resulting in a more realistic representation of the vaccination programs used in the field.

All vaccinations are given prior to 22 weeks of age unless otherwise indicated on the graphs.

The 2001 Broiler Breeder/Commercial Layer Survey represents 91% of the broiler breeders in the U.S. market, with 68.5 million birds represented in the survey. The U.S. commercial layer figures rose from 58% to 67% in response, resulting in 111 million birds represented in the layer survey.

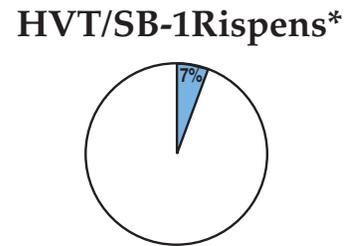
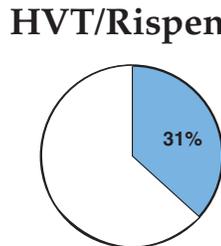
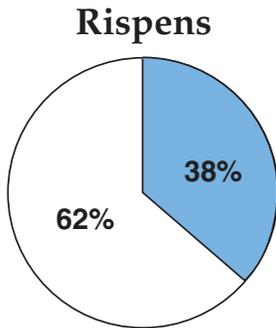
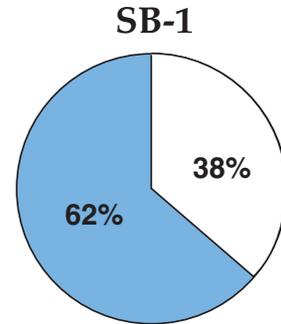
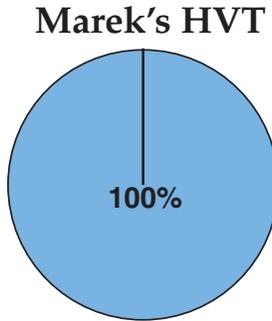
Continued on page 2

Contents

2001 Vaccine Survey...	Pages 1-10
Broiler Performance Data (Region)	Page 9
Broiler Performance Data (Company)	Page 2
Broiler Whole Bird Condemnations (Region)	Page 2
Broiler Whole Bird Condemnations (Company)	Page 5
Excerpts.. "Broiler Hatchery" "Chicken and Eggs" and "Turkey Hatchery, ...	Page 11
Meetings, Seminars and Conventions	Pages 13-14

BROILER BREEDER VACCINE SURVEY

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes



* 38% Rispens use broken out into smaller combo graphs

Broiler Performance Data (Company) Live Production Cost

	Average Co.	Top 25%
Feed cost/ton w/o color (\$)	134.59	129.39
Feed cost/lb meat (¢)	12.51	11.44
Days to 4.6 lbs	45	44
Chick cost/lb (¢)	4.01	3.77
Vac-Med cost/lb (¢)	0.07	0.04
WB & 1/2 parts condemn. cost/lb	0.19	0.15
% mortality	4.09	3.19
Sq. Ft. @ placement	0.80	0.71
Lbs./Sq. Ft.	6.32	6.22
Down time (days)	13	13

Data for week ending 9/8/01

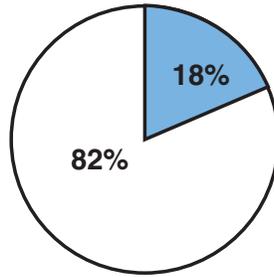
Broiler Whole Bird Condemnation (Region)

	SW	Mid-West	S. East	Mid-Atlantic	S. Central
% Septox	0.285	0.294	0.137	0.234	0.207
% Airsac	0.102	0.050	0.096	0.096	0.080
% I.P.	0.046	0.028	0.039	0.027	0.064
% Leukosis	0.002	0.001	0.001	0.016	0.002
% Bruise	0.007	0.005	0.009	0.006	0.011
% Other	0.019	0.003	0.013	0.008	0.011
% Total	0.461	0.382	0.296	0.385	0.403
% 1/2 parts condemnations	0.525	0.300	0.321	0.430	0.428

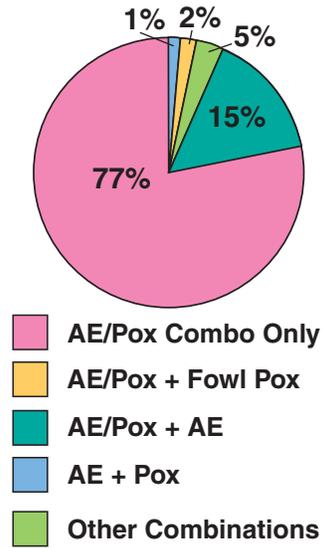
Data for week ending 9/8/01

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes

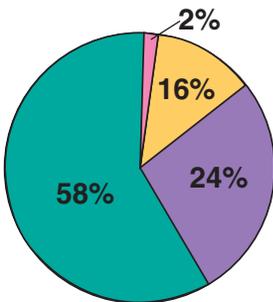
Live Fowl Pox



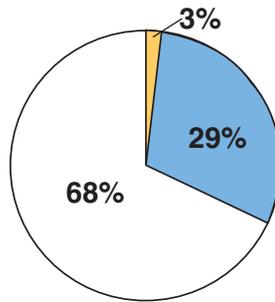
Avian Encephalomyelitis and Fowl Pox



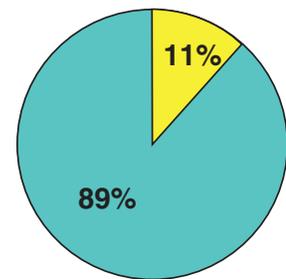
Live Newcastle



Inactivated Newcastle

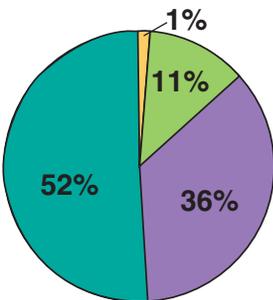


Live Newcastle Boost

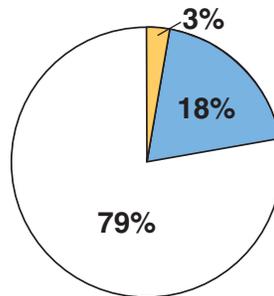


During Lay

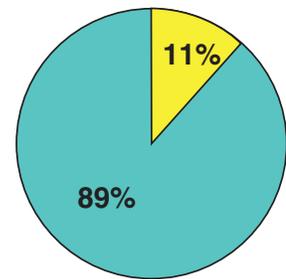
Live Infectious Bronchitis



Inactivated Infectious Bronchitis



Live Infectious Bronchitis Boost

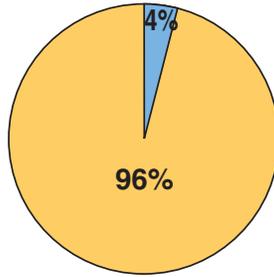


During Lay

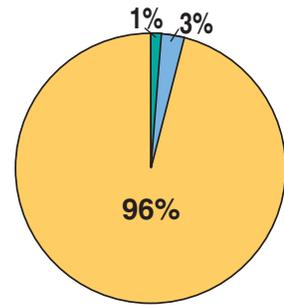
68.5 million birds represented in each graph.

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes

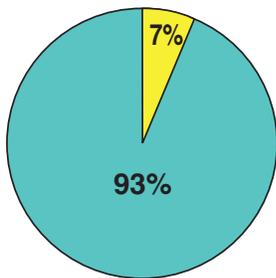
Inactivated Infectious Bursal Standard



Inactivated Infectious Bursal Variant

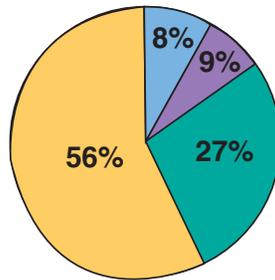


Inactivated Infectious Bursal Reo

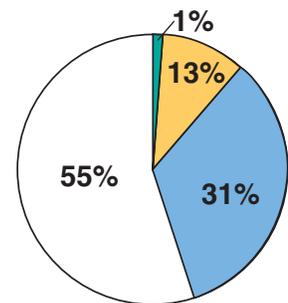


Mid Lay

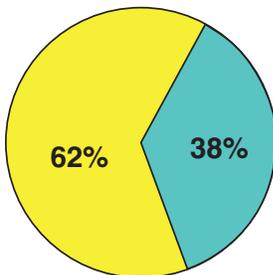
Live Infectious Bursal Standard



Live Infectious Bursal Variant

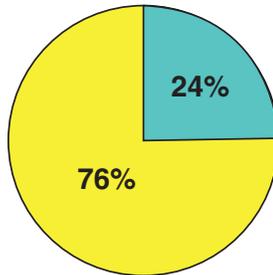


Live Reo



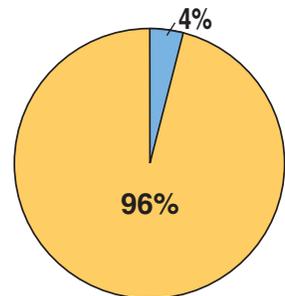
Before 14 Days

Live Reo



Prime after three weeks

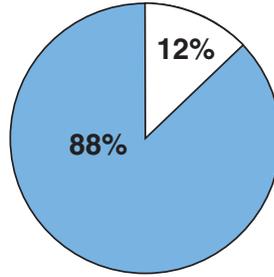
Inactivated Reo



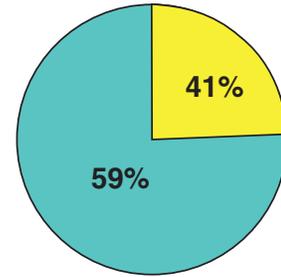
68.5 million birds represented in each graph.

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes

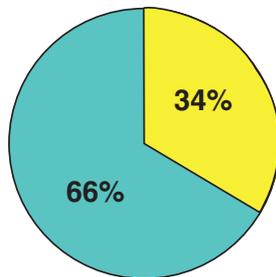
Infectious Laryngotracheitis



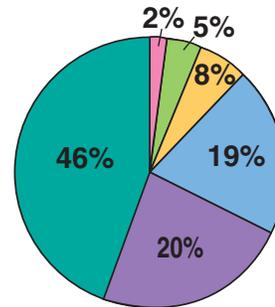
Live Coccidiosis



Live CAV



Live and Inactivated Cholera



- Two Live
- One Killed
- Two Live + One Killed
- One Live + One Killed
- Other Combinations
- Two Killed

68.5 million birds represented in each graph.

Broiler Whole Bird Condemnation (Company)

	Average Co.	Top 25%
% Septox	0.231	0.215
% Airsac	0.089	0.046
% I.P.	0.063	0.021
% Leukosis	0.004	0.002
% Bruise	0.009	0.008
% Other	0.013	0.004
% Total	0.397	0.296
% 1/2 parts condemnations	0.482	0.529

Data for week ending 9/8/01

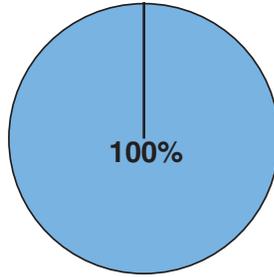
BROILER/BREEDER SURVEY COMPARISONS

	Vaccine Used	1999	2001	Percentage Variance
 One Time				
 Two Times				
 Three Times				
 Four Times				
 Five Times				
 Over Five Times				
 Not Using				
 No				
 Yes				
	Marek's Rispons	40%	38%	-2%
	Live Newcastle			
	 Two Times	23%	16%	-7%
	 Three Times	64%	58%	-6%
	 Four Times	12%	24%	+12%
	Live Bronchitis			
	 Two Times	10%	1%	-9%
	 Three Times	43%	52%	+9%
	 Four Times	28%	36%	+8%
	 Over Five Times	19%	11%	-8%
	Live IBD (Variant)			
	 Not Using	47%	55%	+8%
	 One Time	37%	31%	-6%
	Inactivated Mid-Lay Boost			
	Bursal/Reo			
	 Yes	13%	7%	-6%
	 Live AE/Pox Combo	64%	77%	+13%
	 AE/Pox + Fowl Pox	23%	2%	-21%
	 AE/Pox + AE	5%	15%	+10%
	Inactivated Newcastle			
	 Not Using	48%	68%	+20%
	 One Time	51%	29%	-22%
	Inactivated Bronchitis			
	 Not Using	61%	79%	+18%
	 One Time	37%	18%	-19%
	Live Newcastle Boost During Lay			
	 Not Using	82%	89%	+7%
	 Using	18%	11%	-7%
	Live Bronchitis Boost During Lay			
	 Not Using	82%	89%	+7%
	 Two Times	18%	11%	-7%
	Live Coccidiosis			
	 Using	67%	59%	-8%
	Infectious Laryngotracheitis			
	 Using	75%	88%	+13%

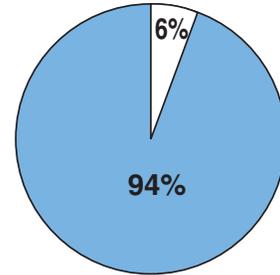
COMMERCIAL LAYER VACCINE SURVEY

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes

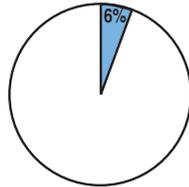
Marek's HVT



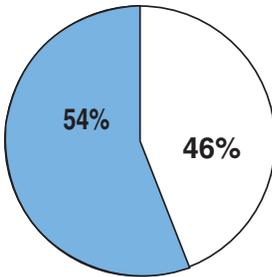
Marek's SB-1



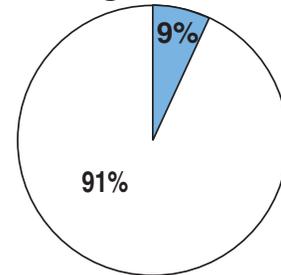
HVT/Rispens*



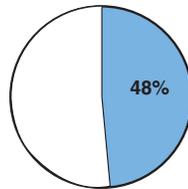
Rispens



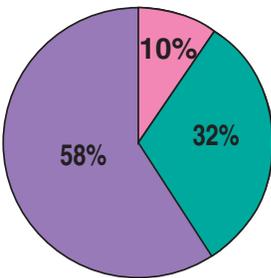
Fowl Pox and/or Pigeon Pox



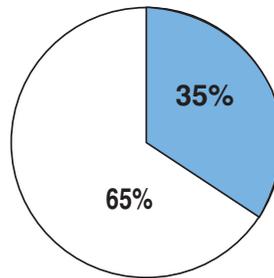
HVT/SB-1Rispens*



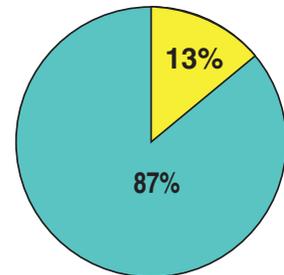
Live Newcastle



Inactivated Newcastle



Live Newcastle Boost

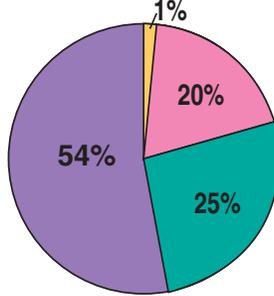


During Lay

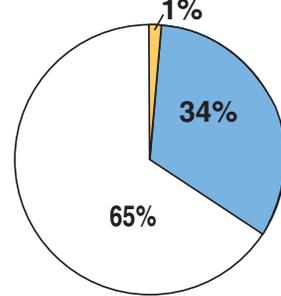
111 million birds represented in each graph.

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes

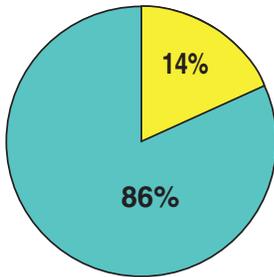
Live Infectious Bronchitis



Inactivated Infectious Bronchitis

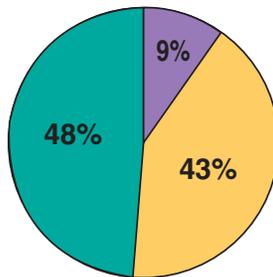


Live Infectious Bronchitis Boost

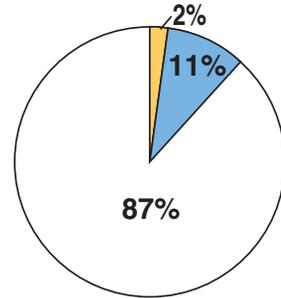


During Lay

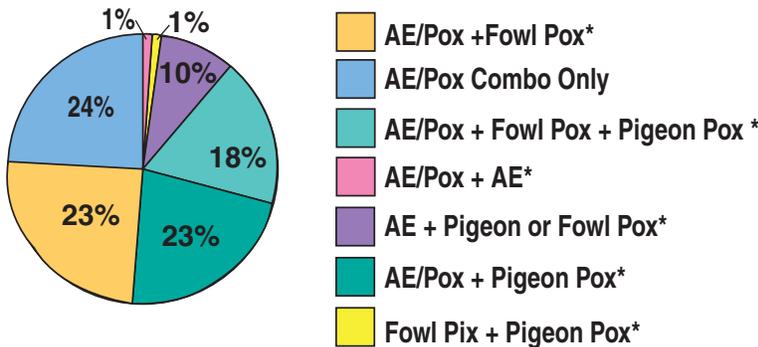
Live Infectious Bursal Standard



Live Infectious Bursal Variant

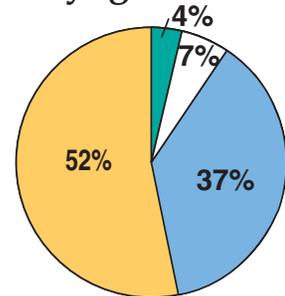


Avian Encephalomyelitis and Fowl Pox



* Use of multi-antigens at differing ages

Infectious Laryngotracheitis

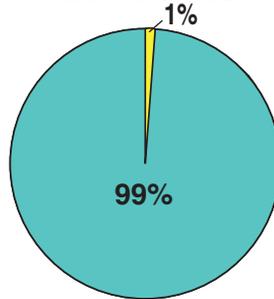


111 million birds represented in each graph.

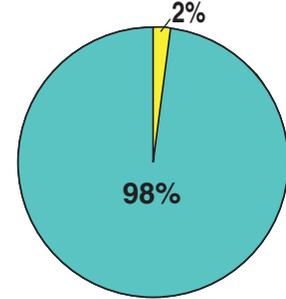
Continued on page 9

- One Time
- Two Times
- Three Times
- Four Times
- Five Times
- Over Five Times
- Not Using
- No
- Yes

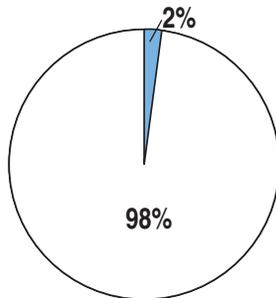
Live Coccidiosis



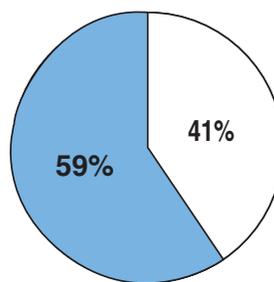
Live Salmonella



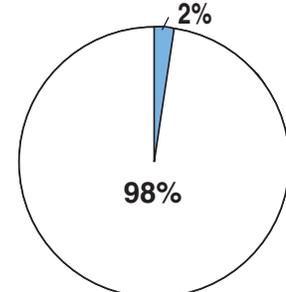
Inactivated Salmonella



Live MG



Inactivated MG



111 million birds represented in each graph.

Broiler Performance Data (Region)					
Live Production Cost					
	SW	Midwest	Southeast	Mid-Atlantic	S-Central
Feed cost/ton w/o color (\$)	131.72	124.63	136.44	135.82	136.80
Feed cost/lb meat (¢)	12.21	11.64	12.39	13.35	12.52
Days to 4.6 lbs	46	45	44	44	44
Chick cost/lb (¢)	4.06	3.83	4.00	3.55	3.90
Vac-Med cost/lb (¢)	0.05	0.03	0.07	0.05	0.06
WB & 1/2 parts condemn. cost/lb	0.23	0.17	0.15	0.13	0.13
% mortality	4.36	4.09	3.27	4.44	3.58
Sq. Ft. @ placement	0.80	0.79	0.81	0.82	0.82
Lbs./Sq. Ft.	6.06	6.46	6.25	7.09	6.23
Down time (days)	11	10	14	11	13

Data for week ending 9/8/01

COMMERCIAL LAYER SURVEY COMPARISONS

 One Time
 Two Times
 Three Times
 Four Times
 Five Times
 Over Five Times
 Not Using
 No
 Yes

Vaccine Used	1999	2001	Percentage Variance
Marek's Rispens	58%	54%	-4%
Live Newcastle			
 Two Times	7%	0%	-7%
 Three Times	18%	32%	+14%
 Four Times	75%	58%	-17%
 Five Times	0%	10%	+10%
Live Bronchitis			
 Two Times	7%	1%	-6%
 Three Times	17%	25%	+8%
 Four Times	67%	55%	-12%
 Five Times	9%	20%	+11%
Inactivated Newcastle			
 Not Using	79%	65%	-14%
 Using	21%	35%	+14%
Inactivated Bronchitis			
 Not Using	79%	65%	-14%
 Using	21%	35%	+14%
Live Newcastle Boost (During Lay)			
 Using	26%	13%	-13%
Live Bronchitis Boost (During Lay)			
 Using	29%	14%	-15%
Live IBD (Standard)			
 Not Using	7%	0%	-7%
 One Time	12%	0%	-12%
 Two Times	31%	43%	+12%
 Three Times	39%	48%	+9%
 Four Times	11%	9%	-2%
Infectious Laryngotracheitis			
 Not Using	16%	7%	-9%
 One Time	41%	37%	-4%
 Two Times	28%	52%	+24%
 Three Times	15%	4%	-11%
Live MG			
 One Time	40%	59%	+19%
 Two Times	4%	0%	-4%
Inactivated MG			
 Using	1%	2%	+1%
Inactivated MS			
 Using	1%	2%	+1%

Excerpts from the latest USDA National Agricultural Statistics Service (NASS) "Broiler Hatchery," "Chicken and Eggs" and "Turkey Hatchery" Reports

Broiler Eggs Set In 15 Selected States Up 3 Percent

According to the latest National Agricultural Statistics Service (NASS) reports, commercial hatcheries in the 15-State weekly program set 174 million eggs in incubators during the week ending September 15, 2001. This was up 3 percent from the eggs set the corresponding week a year earlier. Average hatchability for chicks hatched during the week was 82 percent. Average hatchability is calculated by dividing chicks hatched during the week by eggs set three weeks earlier.

Broiler Chicks Placed Up 4 Percent

Broiler growers in the 15-State weekly program placed 149 million chicks for meat production during the week ending September 15, 2001. Placements were up 4 percent from the comparable week in 2000. Cumulative placements from December 31, 2000 through September 15, 2001 were 5.45 billion, up 1 percent from the same period a year earlier. Four Additional States in Weekly Program

Beginning May 16, 2001 four additional States were added to the weekly program for broiler eggs set in incubators and broiler chicks placed for meat production. The four additional States are Kentucky, Louisiana, Missouri, and Oklahoma. Data collection and weekly estimates began with the week ending April 7, 2001.

Commercial hatcheries for the 19 States set a total of 195 million eggs in incubators during the week ending September 15, 2001. Broiler growers in the 19 States placed 167 million chicks for meat production during the week ending September 15, 2001.

August Egg Production Up 1 Percent

U.S. egg production totaled 7.21 billion during August 2001, up 1 percent from last year. Production included 6.12 billion table eggs and 1.08 billion hatching eggs, of which 1.02 billion were broiler-type and 62.0 million were egg-type. The total number of layers during August 2001 averaged 332 million, up 2 percent from the total average number of layers during August 2000. August egg production per 100 layers was 2,170 eggs, 1 percent below the 2,181 eggs in August 2000.

All layers in the U.S. on September 1, 2001, totaled 333 million, up 2 percent from a year ago. The 333 million layers consisted of 275 million layers producing table or commercial type eggs, 55.3 million layers producing broiler-type hatching eggs, and 2.70 million layers producing egg-type hatching eggs. Rate of lay per day on September 1, 2001, averaged 70.1 eggs per 100 layers, down slightly from the 70.4 eggs a year ago.

Laying flocks in the 30 major egg producing States produced 6.74 billion eggs during August 2001, up 1 percent from August 2000. The average number of layers during August, at 311 million, was up 2 percent from a year earlier.

Egg-Type Chicks Hatched Up 2 Percent

Egg-type chicks hatched during August totaled 35.2 million, up 2 percent from August 2000. Eggs in incubators totaled 33.4 million on September 1, 2001, down 3 percent from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 260,000 during August 2001, down 5 percent from August 2000.

Broiler Hatch Up 3 Percent

The August 2001 hatch of broiler-type chicks, at 761 million, was up 3 percent from August of the previous year. There were 630 million eggs in incubators on September 1, 2001, up 2 percent from a year earlier.

Leading breeders placed 7.49 million broiler-type pullet chicks for future domestic hatchery supply flocks during August 2001, up 3 percent from August 2000.

Turkey Eggs in Incubators on September 1 Unchanged

Turkey eggs in incubators on September 1, 2001, in the United States totaled 30.3 million, unchanged from September 1 a year ago. Eggs in incubators were down 4 percent from the August 1 total of 31.6 million. Regional changes from the previous year were: East North Central, up 3 percent; West North Central, down 1 percent; North and South Atlantic, up 6 percent; South Central, down 12 percent; and West, down 7 percent.

Poults Placed During August Up 3 Percent From Last Year

The 25.5 million poults placed during August 2001 in the United States were up 3 percent from the number placed during the same month a year ago. Placements were down 6 percent from the July 2001 total of 27.0 million. Regional changes from the previous year were: East North Central, up 5 percent; West North Central, up 12 percent; North and South Atlantic, up 2 percent; South Central, down 10 percent; and West, down 9 percent.

ACPV Data Management Workshop

A data management workshop, "Getting More Out of Production and Health Data," will be held at the University of Georgia Poultry Diagnostic and Research Center (PDRC) and College of Veterinary Medicine in Athens, Georgia on January 15, 2002. This workshop is sponsored by the American College of Poultry Veterinarians and is designed to help poultry veterinarians and other individuals involved in poultry health and production, analyze and use data more effectively so they can make sound poultry health management decisions. The lecture portion of the workshop will be held at the Poultry Diagnostic and Research Center (PDRC). This session will cover the latest information on data management and statistical software programs, design of clinical trials, flock health profiling, evaluating the economic impact of diseases and interventions, and the use of geographic information systems (GIS) for disease monitoring. An evening hands-on session on statistical analysis, flock health profiling, data management, and GIS will be held at the College of Veterinary Medicine computer laboratory and is available at no extra cost to the first 44 registrants. The first 30 slots are reserved for ACPV Diplomates until November 1, 2001. For further information and registration (if you did not receive the announcement, program, and registration form by e-mail through AAAP and ACPV), please contact Dr. Nathaniel Tablante, University of Maryland-LESREC, 27664 Nanticoke Road, Salisbury, MD 21801, Tel. 410-742-8788 ext. 308, nt22@umail.umd.edu.



The University of Georgia is committed to the principle of affirmative action and shall not discriminate against otherwise qualified persons on the basis of race, color, religion, national origin, sex, age, physical or mental handicap, disability, or veteran's status in its recruitment, admissions, employment, facility and program accessibility, or services.

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

Meetings, Seminars and Conventions

2001 October

Oct. 2-3: *Alabama Broiler Industry Seminar*, Auburn University Hotel and Dixon Conference Center, Auburn, AL Details from AP&EA, P.O. Box 240, Montgomery, AL 36101; Phone: 334-265-2732; Fax: 334-265-0008.

Oct. 3-5: *Poultry Service Industry Workshop (PSIW)*, Annual Workshop, The Banff Centre, Banff, Alberta, Canada. Details from Sandy Clarke, PSIW, #905 O.S. Longman Building, 6909 - 116 Street, Edmonton, Alberta, Canada, TGH-4P2; Phone: 780-422-0508; Fax: 780-427-1439.

E-mail: sandra.clarke@gov.ab.ca

Oct. 4-7: *Fieravioca, 40th International Poultry Show*, Forli, Italy. Contact: Phone: +39 0543 793511; Fax: +39 0543 724488; E-mail: info@fieravicola.com; Internet: www.fieravicola.com

Oct. 9-12: *XVII Latin American Poultry Congress*, Guatemala City, Guatemala. Contact: Anavi, Avenida De La Reforma 8-60, Zona 9, Edificio Galerias Reforma, Torre II, 9° Nivel, Oficina 904, Guatemala City, Guatemala. Phone: (502) 331 1381; Fax: (502) 339 2338;

Email: latino@terra.com.gt;

Internet: www.XVIII-latinoavicola.org.gt

Oct. 12-13: *Poultry Protein & Fat Seminar*, Radisson Hotel, Memphis, Tenn. Contact: U.S. Poultry & Egg Association, 1530 Cooledge Road, Tucker, GA 30084-7303. Phone: 770-493-9401.

Oct. 17-19: *National Meeting on Poultry Health and Processing*, Clarion Resort Fontainebleau, Ocean City, Maryland. Contact: Karen Adams at adams@dpichicken.com or Fax: 302-856-1845.

2001 November

Nov. 1-3: *Effective Broiler Breeder Management*, Holiday Inn, Utrecht, Netherlands: contact: Elaine Robson, Positive Action Conferences.

Phone: +44(0)1377 256316;

Fax: +44(0)1377 254663

E-mail: conf@positiveaction.co.uk

Nov. 5: *Salmonella 2001 Conference*, Holiday Inn, Utrecht, Netherlands. Contact: Elaine Robson, Positive Action Conferences.

Phone: +44(0)1377 245663;

Fax: +44(0)1377 254663;

Email: conf@positiveaction.co.uk

Nov. 6-9: *VIV Europe, 2001*, Royal Dutch Jaarbeurs Exhibition Center, Utrecht. contact: RoyalDutch Jaarbeurs, P.O. box 8500, NL 3503 RM, Utrecht, The Netherlands,

Phone: + 31 (0) 30 295 5662;

Fax: + 31 (0) 30 295 57 09.

2002 January

Jan. 14-15: *International Poultry Scientific Forum*, Georgia World Congress Centre, Atlanta, Georgia, USA. Contact: Yvonne Vizzier Thaxton, Executive Secretary, SPSS, Mississippi State University, Dept. of Poultry Science, Box 9665, Mississippi State, MS 39762. E-mail: spss@technologist.com

Jan. 16-18: *International Poultry Exposition Atlanta 2002*, Georgia World Congress Centre, Atlanta, Georgia, USA. Contact: US Poultry & Egg Association, 1530 Cooledge Road, Tucker, Georgia 30084-7804, USA. Phone: +1 770-493-9401; Fax: +1 770-493-9257;

E-mail: expgeneralinfo@poultryegg.org;

Internet: www.poultryegg.org

2002 February

Feb. 11-13: *2002 Australian Poultry Science Symposium*, University of Sydney, Sydney, NSW, Australia. Contact: Poultry Research Foundation, University of Sydney, Camden NSW 2570, Australia. Phone: +61 2 46 550 656; Fax: +61 2 46 550 693; E-mail: noeleneu@camden.usyd.edu.au, Internet: www.camden.usyd.edu.au/apss.html

2002 March

March 21-23: *VIV Canada 2002*, Toronto, Canada. Contact: Royal Dutch Jaarbeurs, PO Box 8500, 3503 RM Utrecht, the Netherlands. Phone: +31 30 295 56 62; Fax: +31 295 57 09. E-mail: canada@jaarbeursutrecht.nl. Canadian Swine Exporters Association, PO Box 150, Hickson, Ontario, NoJ iLo, Canada. Phone: +1 519 462 2929; Fax: +1 519 462 2417. E-mail: csea@execulink.com

2002 April

April. 14-17: *5th International Symposium on Avian Influenza*, Georgia, USA. Contact: David E, Swayne, 934 College Station Road, Athens, Georgia 30605 USA. FAX: +1-706-546-3161. E-mail: AI.Symposium@seprl.usda.gov Website: <http://seprl.ars.usda.gov/avian.influenza.symposium.htm>

April. 24-26: *VIV China 2002*, China International Exhibition Centre, Beijing, P.R. China. Contact: Royal Dutch Jaarbeurs, P.O. Box 8500, 3503 RM Utrecht, the Netherlands. Phone: +31 30 295 5662; Fax: +31 30 295 5709; E-mail: viv.china@jaarbeursutrecht.nl

2002 May

May. 1-4: *Western Poultry Disease Conference and Asociacion Nacional de Especialistas en Ciencias Avicolas*, Marriott Casamagna Resort, Puerto Vallarta, Mexico. Contact: Dr. R.P. Chin, 2789 S. Orange Ave., Fresno, CA 93725, USA. E-mail: rpchin@ucdavis.edu

May. 6-8: *VIV Africa 2002*, Ceasars, Johannesburg, South Africa. Contact: Avi Africa. P.O. box 1202, Honeydew 2040, South Africa. Phone: +27 11 794 5453; Fax: +27 11 794 3367; E-mail: aviafrica@mweb.co.za

Meetings, Seminars and Conventions

May 27-31: *X International Seminar in Avian Pathology and Poultry Production (In Spanish)*, Georgia, USA. Contact: Dr. Pedro Villegas, Department of Avian Medicine, The University of Georgia, Athens, GA 30602-4875, USA. Fax: +1-706-542-5630;

E-mail: sem2002@arches.uga.edu

May. 30-June 1: *VIV Poultry Yutav 2002*, Istanbul, Turkey. Contact: Royal Dutch Jaarbeurs, P.O. Box 8500, 3503 RM Utrecht, the Netherlands. Phone: +31 30 295 56 62;

Fax: +31 30 295 57 09;

E-mail: viv.yutav@jaarbeursutrecht.nl

2002 August

Aug 19-23: *The 7th World Congress of Genetics Applied to Livestock Production*, Le Corum Conference Centre of Montpellier, France: Contact: <http://wcgalp.toulouse.inra.fr>

2002 September

Sept. 6-10: *11th European Poultry Conference*, Bremen, Germany. Contact: 11th European Poultry Conference, 2002, Congress Partner, Birkenstr 17, D-28195 Bremen, Germany. Phone: +49 421 303130; Fax: +49 421 303133; E-mail: Bremen@cpb.de

Sept. 24-26: *VIV América Lantina*, Sao Paulo, Brazil. Contact: Royal Dutch Jaarbeurs, P.O. Box 8500, 3503 RM Utrecht, the Netherlands. Phone: +31 30 295 57 09; Fax: +31 30 295 57 09;

Email: viv.america.latina@jaarbeursutrecht.nl

Sept. 24-26: *VIV/AFIA Feed*, Sao Paulo, Brazil. Contact: Royal Dutch Jaarbeurs, P.O. Box 8500, 3503 RM Utrecht, the Netherlands. Phone: +31 30 295 57 09; Fax: +31 30 295 57 09; Email: viv.feed@jaarbeursutrecht.nl

2002 October

Oct. 6-10: *7th WPSA Asian Pacific Federation Conference*, Conrad Jupiter's Hotel, Gold coast, Queensland, Australia. In conjunction with 12th Australian Poultry & Feed Convention. Hotel Conrad, Jupiters Casino, Gold Coast, Queensland, Australia. Contact: APFC 2002 Conference Managers, GPO Box 128, Sydney, NSW 2001, Australia. Phone: +61 2 9262 2277; Fax: +61 2 9262 3135; E-mail: apfc2002@tourhosts.com.au; Internet: <http://www/tourhosts.com.au/apfc2002>

Oct. 6-11: *3rd International Workshop on the Molecular Pathogenesis of Marek's Disease and the Avian Immunology Research Group Meeting*, Dead Sea, Israel. Contact: MAREKS-AIRG at Target Tours, P.O. Box 29041, Tel Aviv 61290, Israel. Phone: +972 3 5175150; Fax: +972 3 5175155; E-mail: mareks-airg@targetconf.com

Oct. 17-19: *National Meeting on Poultry Health & Processing*, Sheraton Fountainbleau Hotel, Ocean City, Maryland, USA. Contact: Sharon Webb, Delmarva Poultry Industry, Inc., RD 6, Box 47, Georgetown, DE 19947-9575, USA. Fax: +1 302-856-1845

2002 November

Nov 12-15: *EuroTier 2002*, International Exhibition for Livestock and Poultry Production, Hamover, Germany. Contact: Website: www.eurotier.de

2003 July

July 19-23: *XIII Congress of the World Veterinary Poultry Association*, Denver, CO, USA. Contact: Details are not currently available but will eventually be posted on the web site of the American Association of Avian Pathologists.