# Agricultural Review

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NEW ENGLAND
Agricultural
Statistics

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A special "Thank you" goes to New England producers and agri-businesses who have helped us by completing surveys via mail, telephone or personal interviews. This issue contains the results of monthly and quarterly surveys including the Potato Price Survey, floriculture, dairy, poultry surveys and the maple report.

IN THIS ISSUE: Chickens: Layers and Eggs

Dairy Products: Butter, Cheese, Creams

Potatoes: Stocks and Prices

Floriculture: Number of Growers by Type and Gross Value of Sales

Maple: Taps, Yield, Production, Price and Value

Milk: Monthly Production and Price

MAPLE: NEW ENGLAND (excluding Rhode Island): In New England maple syrup production for 2005 totaled 782,000, down 16 percent from last year. Vermont remained the largest producing state in New England and the Nation, with 33 percent of the Nation's maple syrup. Taps in New England totaled 4.1 million, up 1.0 percent from last year and making up 58 percent of the Nation's maple taps.

The 2005 maple season was rated too cool in temperature, causing production decreases in all five New England states. Temperatures were reported at 57 percent too cool, 22 percent too warm, and 21 percent favorable. The season started late because it was too cold and then warmed up too fast. Earliest dates for each state were as follows: New Hampshire – February 1, Connecticut and Massachusetts – February 2, Vermont – February 4, and Maine – February 14. Latest closing dates were Connecticut – April 15, Massachusetts – April 19, New Hampshire – April 23, Maine – April 29, and Vermont – April 30. The sugar content of the sap was average, requiring 40 gallons of sap to produce a gallon of syrup. The majority of the syrup produced was medium amber followed by light amber and then dark syrup.

**2004 PRICES AND SALES:** Across New England, the average equivalent price per gallon for 2004 maple syrup varied widely depending on the percentage sold retail, wholesale, or bulk. The 2004 all sales equivalent price increased \$3.10 in Connecticut to \$51.70 and \$4.40 in Massachusetts to \$46.30. The price dropped \$3.10 in Maine to \$19.40, \$7.60 in New Hampshire to \$35.40, and \$0.50 in Vermont to \$27.30. Maine's price continues to be lower than the other states due to the high percentage of bulk sales within that state. New England's 2004 gallon equivalent price of \$26.87 reflects a decrease of \$1.09 from the 2003 price of \$27.96.

**UNITED STATES:** The 2005 United States maple syrup production totaled 1.24 million gallons, down 18 Percent from 2004. The number of taps is estimated at 7.10 million, up two percent from the 2004 total of 6.96 million, while the yield per tap is estimated to be 0.175 gallons, down 19 percent from 2004. Vermont led all states in production with 410,000 gallons, a decrease of 18 percent from last season. Maine's production, at 265,000 gallons, decreased 9 percent from 2004. Production in New York at 222,000 gallons, is 13

percent below 2004. Production is down 50 percent in Wisconsin, 31 percent in New Hampshire, 27 percent in Michigan, 20 percent in Massachusetts, 12 percent in Ohio, and 9 percent in Connecticut from last season.

Pennsylvania, the only state with increased production, is up 2 percent from 2004. An increase in taps in most states was more than offset by a decrease in yield causing production to decline.

Temperatures in the maple producing states were generally unfavorable for good sap flow and syrup production in 2005. Most of these states experienced weather that was too cold for sap flow. On average, the season lasted approximately 24 days in 2005 compared to 30 in 2004. Pennsylvania had the earliest sap flow in 2005 with an approximate season opening day of January 20. New York had the latest sap flow in 2005 with an approximate season ending date of May 1.

Sugar content of the sap for 2005 was higher than last year. Approximately 40 gallons of sap was required to produce one gallon of syrup. This compares with 42 gallons in 2004 and 41 gallons in 2003. More light syrup was produced than last year but overall most syrup produced was of medium color.

**FLORICULTURE: Connecticut:** The number of commercial growers in 2004 was 250, down 34 growers from the previous year and is the lowest number of growers in the last 10 years. The wholesale equivalent value of sales increased from \$82.2 million in 2003 to \$90.6 million in 2004. Bedding and garden plants remained the largest category with 85 percent of whole sale equivalent sales for operations with more than \$100,000 in sales.

Massachusetts: The number of commercial growers in 2004 was 395, down 36 growers from the previous year; also, the lowest grower count in the past 10 years. The wholesale equivalent value of sales increased from \$76.8 million in 2003 to \$77.4 million in 2004. As was true in Connecticut, bedding and garden plants were the largest category with 74 percent of wholesale equivalent sales for operations with more than \$100,000 in sales.

All values in the following tables are **wholesale equivalent value of sales**; they were derived by multiplying the average wholesale price by the total quantity sold.

POTATO STOCKS: Maine potato stocks on hand June 1, 2005, totaled 3.0 million hundredweight (cwt), 30 percent above 2004's June 1 holdings. Disappearance to June 1 in Maine totaled 16.2 million cwt, compared with 14.7 million cwt a year earlier. Losses from storage remain high, as farmers continue efforts to market the remainder of the crop. Storage accounted for 16 percent of Maine's total production, compared with 14 percent in June of 2004. The price received for 2004 crop potatoes across all sales for fresh market, processing, and seed averaged \$6.90 per cwt during April 2005, compared with \$6.30 per cwt a year earlier and the previous 5-year average of \$7.49 per cwt.

The 15 major potato States held 51.0 million cwt of potatoes in storage June 1, 2005, up 11 percent from both last year and June 1, 2003. Potatoes in storage account for 13 percent of the 2004 fall storage States' production, two percentage points above last year. Disappearance of 352 million cwt of potatoes

is down one percent from last year and two percent below two years ago. Shrink and loss, at 31.1 million cwt so far this season, is up four percent from last year and 14 percent above the same date in 2003. Processors in the 9 major States have used 173 million cwt of potatoes this season, down one percent from a year ago and four percent below two years ago.

**Milk:** Milk production in Vermont during May 2005 totaled 238 million pounds, a six percent increase over May 2004. There were an estimated 144,000 milk cows on Vermont farms, unchanged from the previous month. Milk production per cow averaged 1,650 pounds.

Milk production in the 23 major milk-producing States during May 2005 totaled over 14 billion pounds, a four percent increase from May 2004. The number of cows on farms totaled 8.1 million head. Milk production per cow averaged 1,754 pounds in May.

This is a monthly summary of New England agricultural statistics taken from nationwide reports issued by USDA's National Agricultural Statistics Service. All National reports and State newsletters are available on the Internet at: <a href="http://www.usda.gov/nass/">http://www.usda.gov/nass/</a>.

National Reports can be ordered by calling 1-800-999-6779.

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FALL POTATOES: Production and June 1 Stocks <sup>1/</sup>, 2004-2005

		2003 Crop			2004 Crop	
State	Production	Stocks June 1, 2004 <sup>2/</sup>	Stocks as Percentage of Production	Production	Stocks June 1, 2005 <sup>2/</sup>	Stocks as Percentage of Production
	1,00	0 Cwt	Percent	1,00	0 Cwt	Percent
California	3,528			3,876		
Colorado	23,652	2,600	11	23,148	2,700	12
Idaho	123,180	19,500	16	131,970	24,000	18
Maine	17,030	2,300	14	19,220	3,000	16
Michigan	15,015			13,650		
Minnesota	22,330	3,500	16	18,920	3,500	18
Montana	3,339			3,551		
Nebraska	9,744			9,288		
New York	6,510			5,184		
North Dakota	27,440	5,000	18	26,765	4,800	18
Ohio	1,097			1,080		
Oregon	20,991	2,900	14	19,775	1,800	9
Pennsylvania	3,375			2,640		
Washington	93,150	7,000	8	93,810	8,000	9
Wisconsin	32,800	1,500	5	30,450	1,800	6
Other States		1,720			1,400	
15 STATES	403,181	46,020	11	403,327	51,000	13

<sup>&</sup>lt;sup>1/</sup> Stocks include processor holdings and most of the seed to plant the following year's crop. Seed usage for all seasons in 2004 totaled 26.4 million cwt. <sup>2/</sup> Missing stocks combined into "Other States."

Source: Potato Stocks, 3:00 p.m., June 15, 2005, National Agricultural Statistics Service, USDA.



MAINE POTATOES: Prices Received, 2000 - 2004 Crop Years

		Pric	es Receiv	ved 1/ by F	armers fo	r All Pota	toes, Mor	nthly and I	Marketing	Year Ave	rage	
Crop Year	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	Мау	June	Market Year Average
				•	•	Dollars	per Cwt	•	•	•		•
2000	5.80	5.45	5.50	5.55	5.60	5.90	5.90	6.20	6.80	7.30	7.00	6.15
2001	6.20	5.70	6.05	6.65	7.50	8.30	8.30	8.65	9.45	8.05	7.80	7.65
2002	5.75	5.45	5.60	6.65	6.95	7.10	7.10	7.45	8.10	8.15	7.40	7.05
2003	6.15	5.25	5.45	5.90	5.75	5.85	5.70	6.10	6.30	6.70	6.90	6.05
2004 <sup>2/</sup>	5.95	5.15	5.70	6.15	6.35	5.95	6.55	6.60	6.90	7.15		

<sup>1/</sup> Average price of potatoes sold for fresh market, processing, seed, and feed.

<sup>&</sup>lt;sup>22</sup> Most recent monthly price is a preliminary mid-month forecast.
Source: **Agricultural Prices**, 3:00 p.m., May 31, 2005, National Agricultural Statistics Service, USDA



POTATOES: Shrinkage and Loss, 15 Fall Storage States, 2001 - 2004

Crop Year	To Dec 1	To Jan 1	To Feb 1	To Mar 1	To Apr 1	To May 1	To Jun 1	Season
				Million Cwt				
2001	14.8	17.4	19.8	21.8	23.6	25.1	26.7	29.3
2002	15.5	18.2	20.5	22.4	24.2	25.8	27.2	29.0
2003	15.0	17.4	20.5	22.6	25.4	27.5	29.9	33.0
2004 <sup>2/</sup>	16.6	20.0	22.5	24.6	26.8	29.0	31.1	

Source: Potato Stocks, 3:00 p.m., June 15, 2005, National Agricultural Statistics Service, USDA

MAPLE SYRUP: Tans. Yield. and Production, 2003-2005

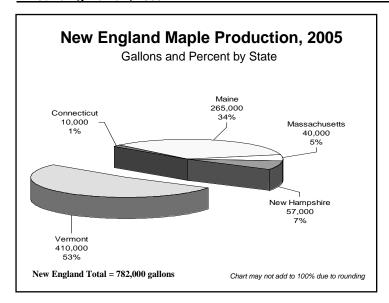
		MAPLE	STRUP: 18	aps, Yieid, ar	ia Production	1, 2003-2005			
		Taps			Yield per Tap			Production	
State	2003	2004	2005	2003	2004	2005	2003	2004	2005
		1,000 Taps			Gallons		1	1,000 Gallons	
Connecticut	62	62	63	0.161	0.177	0.159	10	11	10
Maine	1,295	1,290	1,300	0.220	0.225	0.204	285	290	265
Massachusetts	220	235	240	0.168	0.213	0.167	37	50	40
New Hampshire	350	360	365	0.171	0.231	0.156	60	83	57
Vermont	2,030	2,100	2,140	0.207	0.238	0.192	420	500	410
NEW ENGLAND 1/	3,957	4,047	4,108	0.205	0.231	0.190	812	934	782
Michigan	360	370	390	0.164	0.216	0.149	59	80	58
New York	1,340	1,345	1,420	0.157	0.190	0.156	210	255	222
Ohio	387	405	355	0.132	0.193	0.194	51	78	69
Pennsylvania	383	404	428	0.136	0.149	0.143	52	60	61
Wisconsin	400	385	400	0.190	0.260	0.125	76	100	50
<b>UNITED STATES</b>	6,827	6,956	7,101	0.185	0.217	0.175	1,260	1,507	1,242
New Brunswick 2/							191	210	
Nova Scotia 2/							36	26	
Ontario 2/							262	262	
Quebec <sup>2/</sup>							6,822	6,551	
CANADA 2/3/							7.312	7.050	

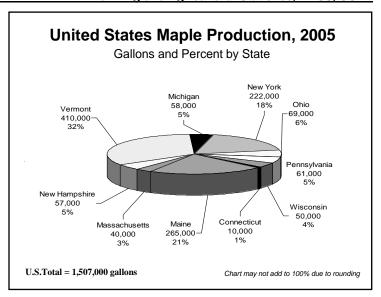
New England includes CT, ME, MA, NH, and VT.

Canadian data incomplete; figures unavailable at the time of publication. Canadian imperial gallons were converted to United States gallons (one imperial gallon times 1.2021778 equals one United States gallons.)

Data may not add due to rounding.

SOURCE: United States - Crop Production, 8:30 a.m., June 10, 2005, National Agricultural Statistics Service, USDA. Canada - Statistics Canada.





		MAPLE	SYRUP: P	roduction, Pr	ice, and Valu	ıe, 2003-2004			
		Production			ge Gallon Equi ce of All Sales		Value of Production		
State	2002	2003	2004	2002	2003	2004	2002	2003	2004
		1,000 Gallons		Uni	ted States Doll	ars	United	States 1,000 Do	ollars
Connecticut	10	10	11	47.20	48.60	51.70	472	486	569
Maine	275	285	290	19.40	22.50	19.40	5,335	6,413	5,626
Massachusetts	48	37	50	39.50	41.90	46.30	1,896	1,550	2,315
New Hampshire	83	60	83	41.10	43.00	35.40	3,411	2,580	2,938
Vermont	510	420	500	27.00	27.80	27.30	13,770	11,676	13,650
NEW ENGLAND 2/	926	812	934	26.87	27.96	26.87	24,884	22,705	25,098
Michigan	75	59	80	32.50	31.20	38.00	2,438	1,841	3,040
New York	260	210	255	26.30	26.80	28.20	6,838	5,628	7,191
Ohio	75	51	78	32.30	35.10	32.00	2,423	1,790	2,496
Pennsylvania	60	52	60	26.70	27.40	29.00	1,602	1,425	1,740
Wisconsin	79	76	100	29.30	29.10	32.30	2,315	2,212	3,230
UNITED STATES	1,475	1,260	1,507	27.50	28.30	28.40	40,500	35,601	42,795
New Brunswick 3/	177	191	210	21.76	26.56	28.73	3,851	5,073	6,034
Nova Scotia 3/	35	36	26		28.72	30.85		1,034	802
Ontario 3/	275	262	262	26.48	30.41	31.30	7,283	7,968	8,201
Quebec 3/	5,665	6,822	6,551	15.63	14.86	14.83	88,548	101,344	97,123
CANADA 3/	6,118	7,312	7,050	16.29	15.78	15.91	99,681	115,417	112,159

Average gallon equivalent price in United States dollars is a weighted average across retail, wholesale, and bulk sales. This price is lower for States, such as Maine, with more and bulk sales. The average gallon equivalent price is not the average retail price paid for a gallon of syrup – see page 4 for retail gallon average prices.

New England includes CT, ME, MA, NH, and VT

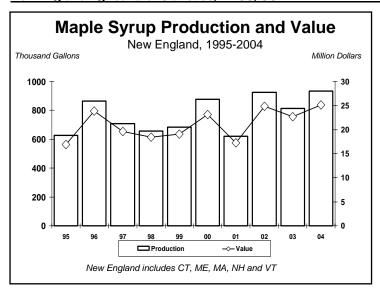
Canadian dollars to United States dollars exchange rates were valued at or near the closest date to July 1 for each year. Exchange rates were 0.658328 for 2002, 0.74118 for 2003 and .750469 for 2004. Canadian imperial gallons were converted to United States gallons (one imperial gallon times 1.2021778 equals one United States gallon.) SOURCE: United States - Crop Production, 8:30 a.m., June 10, 2005, National Agricultural Statistics Service, USDA. Canada - Statistics Canada.

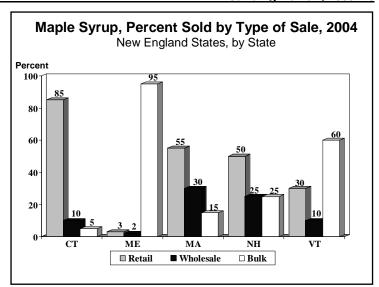


MAPLE SYRUP: Sales Percentages, New England, 2003-2004

	Connecticut		Connecticut Maine Massa		Massac	husetts	New Ha	mpshire	Vermont	
Type of Sale	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
	Pe	rcent	Pe	ercent	Per	cent	Per	cent	Perd	cent
Retail	70	85	10	3	60	55	70	50	30	30
Wholesale	20	10	5	2	30	30	10	25	10	10
Bulk	10	5	85	95	10	15	20	25	60	60

Source: Crop Production, 8:30 a.m., June 10, 2005, National Agricultural Statistics Service, USDA.





MAPLE SYRUP: Sales Percentages, Other States, 2003-2004

	Michigan		New	/ York	Ohio		Pennsylvania		Wisconsin	
Type of Sale	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
	Per	cent	Pe	rcent	Per	cent	Per	cent	Perc	ent
Retail	44	60	37	50	72	61	43	55	38	42
Wholesale	44	23	24	19	11	14	18	11	22	16
Bulk	12	17	39	31	17	25	39	34	40	42

Source: Crop Production, 8:30 a.m., June 10, 2005, National Agricultural Statistics Service, USDA.



MONTHLY DAIRY PRODUCTS: New England Production, April 2005 with Comparisons

Product	April 2004	March 2005	April 2005	April 2004 as p	ercent of:
Product	April 2004	Warch 2005	April 2005	April 2004	March 2005
		1,000 Pounds		Perce	nt
Butter	4,096	3,629	3,635	89	100
American Type Cheese 1/	6,109	5,446	6,093	100	112
Mozzarell Cheese	5,522	6,326	4,290	78	68
Other Italian Cheese 2/	995	661	599	60	91
Cottage Cheese 3/	778	530	515	66	97
		1,000 Gallons		Percei	nt
Ice Cream, Hard	8,382	8,171	9,087	108	111
Low Fat Ice Cream, Hard	1,250	692	1,183	95	171
Milk Sherbet Hard	328	339	242	74	71

American Type Cheese includes Cheddars, Colby, Monterey and Jack. Includes all Italian Cheese except Mozzarella.

Creamed and low fat.

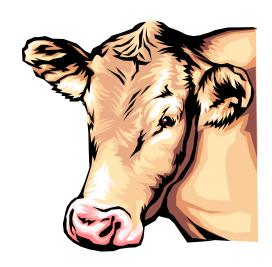
Source of National Production: Dairy Products, 3:00 p.m., June 3, 2005, National Agricultural Statistics Service, USDA

MONTHLY MILK: Number of Cows and Production, May 2005 with Comparisons

		Milk Cows 1/		Pr	oduction per C	ow	Production			
State	May 2004	April 2005	May 2005	May 2004	April 2005	May 2005	May 2004	April 2005	May 2005	
		1,000 Head			Pounds			Million Pounds		
Vermont	145	144	144	1,545	1,570	1,650	224	226	238	
New York	655	646	646	1,580	1,565	1,665	1,035	1,011	1,076	
Pennsylvania	557	563	565	1,605	1,600	1,675	894	901	946	
United States 2/	8,064	8,109	8,118	1,692	1,683	1,754	13,641	13,647	14,240	

Average number for month, including dry cows.

United States includes 23 major States: AZ,CA,CO, FL, ID, IL, IN, IA, KS, KY, MI, MN, MO, NM, NY, OH, OR, PA, TX, VT, VA, WA, and WI. Source: Milk Production, 3:00 p.m., June 16, 2005, National Agricultural Statistics Service, USDA



### VERMONT MILK: Prices Received, 2000 - 2005

		Prices Received <sup>1/</sup> by Farmers for Milk Sold												
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Average	
						Price p	er Cwt							
2000	13.40	13.40	13.50	13.40	13.50	13.80	13.50	13.80	14.00	14.00	14.30	14.60	13.80	
2001	13.70	14.30	15.00	15.40	16.20	16.80	17.00	17.30	17.90	16.40	15.80	14.10	15.80	
2002	14.20	13.80	13.30	13.10	12.70	12.10	11.60	11.70	12.00	12.50	12.50	12.40	12.70	
2003	12.30	11.90	11.50	11.40	11.50	11.50	12.10	13.40	15.00	15.80	15.50	14.80	13.00	
2004	14.00	14.40	16.20	17.80	20.10	19.80	17.60	15.50	16.30	16.60	17.00	17.20	16.90	
2005 <sup>2/</sup>	16.70	15.80	16.40	15.80	15.60									

Before deductions for hauling. Includes quality, quantity, and other premiums, Excludes hauling subsidies.
 Most recent monthly price is a preliminary mid-month forecast.
 Source: Agricultural Prices, 3:00 p.m., May 31, 2005, National Agricultural Statistics Service, USDA



#### FLORICULTURE CROPS: Growing Area by Type of Cover, 1995 - 2004

(Summarized from interviews of all known growers with \$10,000 or more in floriculture sales)

State and Year	Total Number of Growers	Glass Greenhouses	Fiberglass and Other Rigid Greenhouses	Film Plastic (Single/Multi) Greenhouses	Total Greenhouse Cover	Shade and Temporary Cover	Total Covered Area	Open Ground
	Number	0.00000	0.000	1,000 Squar			1	Acres
Connecticut		ı		.,000 04444.				7.0.00
1995	267	1,360	506	4,253	6,119	150	6,269	210
1996	252	1,316	546	4,287	6,149	220	6,369	168
1997	293	1,431	837	5,429	7,697	282	7,979	329
1998	297	1,653	819	6,659	9,131	232	9,363	410
1999	288	1,568	739	6,275	8,582	394	8,976	373
2000	297	1,553	830	6,007	8,390	404	8,794	398
2001	284	1,844	1,615	5,705	9,164	409	9,573	525
2002	316	1,568	1,192	6,589	9,349	396	9,745	519
2003	284	1,405	1,134	6,590	9,129	470	9,599	663
2004	250	1,360	977	6,072	8,409	406	8,815	547
Massachusetts								
1995	447	2,214	1,349	6,119	9,682	174	9,856	322
1996	416	2,202	1,239	6,009	9,447	181	9,628	319
1997	499	1,937	1,180	7,051	10,168	155	10,323	388
1998	476	1,947	1,193	7,568	10,708	117	10,825	431
1999	457	2,039	953	7,150	10,142	84	10,226	434
2000	471	1,894	1,073	6,704	9,671	112	9,783	421
2001	446	1,877	1,261	6,250	9,388	133	9,521	384
2002	463	1,839	1,007	6,701	9,547	230	9,777	650
2003	431	1,520	930	7,266	9,716	121	9,837	633
2004	395	1,496	939	6,966	9,401	116	9,517	518

SOURCE: Floriculture Crops, 3:00 p.m., April 26, 2005, National Agricultural Statistics Service, USDA



#### FLORICULTURE CROPS: Number of Growers, by Size of Reported Gross Value of Sales, 1996 - 2004

(Summarized from interviews of all known growers with \$10,000 or more in floriculture sales)

·	\$10,000	\$20,000	\$40,000	\$50,000	\$100,000	\$500,000		Expanded
State	to	to	to	to	to	or	Total	Wholesale
	\$19,999	\$39,999	\$49,999	\$99,999	\$499,999	More		Value 1/
				Number				1,000 Dollars
Connecticut	-							•
1996	43	37	25	52	68	27	252	49,473
1997	60	44	22	61	77	29	293	59,939
1998	57	56	17	55	89	23	297	64,926
1999	53	48	22	53	87	25	288	67,964
2000	54	51	25	64	77	26	297	72,125
2001	45	55	15	65	75	29	284	80,175
2002	55	49	29	80	73	30	316	84,943
2003	45	48	24	70	66	31	284	82,237
2004	27	35	23	59	73	33	250	90,558
Massachusetts								
1996	61	64	37	114	108	32	416	69,810
1997	88	99	45	121	117	29	499	75,367
1998	96	89	26	102	131	32	476	70,133
1999	77	70	46	118	116	30	457	75,936
2000	76	64	45	137	119	30	471	79,546
2001	71	59	37	140	106	33	446	78,083
2002	63	82	35	136	105	42	463	84,608
2003	57	63	29	133	108	41	431	76,813
2004	33	65	31	114	117	35	395	77,402

Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the mid point of each dollar value range. SOURCE: Floriculture Crops, 3:00 p.m., April 26, 2005, National Agricultural Statistics Service, USDA

#### MONTHLY CHICKENS: Layers and Egg Production, May, 2004-2005

State	Table Egg Layers In Flocks 30,000 and Above		All Layers <sup>1/</sup>		Eggs per 100 for All Layers <sup>1/</sup>		Egg Production from All Layers 1/	
	May 2004	May 2005	May 2004	May 2005	May 2004	May 2005	May 2004	May 2005
	1,000 Birds				Number		Million Eggs	
Connecticut	2,844	3,079	2,901	3,135	2,447	2,329	71	73
Maine	3,970	3,031	4,010	3,096	2,369	1,130	95	35
UNITED STATES	276,536	276,541	342,786	342,190	2,192	2,210	7,513	7,563

<sup>&</sup>lt;sup>1/</sup> Includes all layers and eggs produced in both table egg and hatching egg flocks regardless of size.
SOURCE: Chickens and Eggs, 3:00 p.m., June 21, 2005, National Agricultural Statistics Service, USDA



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