



# Keystone Ag Digest

Cooperating with the Pennsylvania Department of Agriculture

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Released: Late October 2007

Bi-Monthly

Vol. 07 No. 20

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<i>This publication may be found on the Internet at <a href="http://www.nass.usda.gov/pa">www.nass.usda.gov/pa</a> and click on "Pennsylvania Publications."</i>			

**Note to Survey Respondents:** Results of many surveys we conduct throughout the year are included in this report! Most survey results are **not** published individually. **Thank you** for taking the time to complete our surveys!

## MILK PRODUCTION

Milk production in Pennsylvania during September 2007 totaled 853 million pounds, 1.2 percent below last September's production of 863 million pounds. The number of milk cows in the state during the month averaged 550,000 head, down 1,000 head from August and 3,000 head less than a year ago. Production per cow averaged 1,550 pounds, down 70 pounds from August and 10 pounds below the September 2006 average.

Milk production in the 23 major States during September totaled 13.7 billion pounds, up 3.1 percent from September 2006. August production, unrevised at 14.3 billion pounds, was up 3.6 percent from August 2006. Production per cow in the 23 major states averaged 1,644 pounds for September, 31 pounds above September 2006. The number of milk cows on farms in the 23 major States was 8.34 million head, 91,000 head more than September 2006 and 12,000 head more than August 2007.

## DAIRY PRODUCTS

United States' butter production was 110 million pounds, 23.6 percent above August 2006 but 4.9 percent below July 2007. Total cheese output (excluding cottage cheese) was 795 million pounds, 0.1 percent below August 2006 and 0.1 percent below July 2007. Italian type cheese production totaled 334 million pounds, 0.2 percent above August 2006 but 0.4 percent below July 2007. American type cheese production totaled 312 million pounds, 1.8 percent below August 2006 and 3.1 percent below July 2007. Frozen products: (comparisons with August 2006): Ice cream, Regular (hard) --- 82.5 million gallons, down 7.7 percent. Ice cream, Lowfat (total) --- 38.9 million gallons, up 6.7 percent. Sherbet (hard) --- 4.86 million gallons, up 1 percent. Frozen Yogurt (total) --- 5.68 million gallons, down 17.4 percent.

## PRODUCTION OF SELECTED DAIRY PRODUCTS

Products	Aug 2006	Jul 2007	Aug 2007
	<i>000 Lbs.</i>		
<b>PENNSYLVANIA</b>			
Butter	1,822	4,353	2,783
Ice Cream	4,131	3,301	3,316
<b>UNITED STATES</b>			
Butter	88,880	115,468	109,828
Cheese:			
American Types	318,071	322,256	312,254
Swiss	25,236	25,656	25,828
Brick and Muenster	9,826	9,767	10,684
Cream and Neufchatel	69,623	63,415	72,425
Mozzarella	261,166	269,764	264,254
Other Italian	71,993	65,317	69,548
Total Italian Types	333,159	335,081	333,802
All Other	22,872	23,237	23,730
Total	795,133	795,463	794,675
NF Dry Milk, Human	73,193	123,152	102,990
Yogurt, Plain & Flavored	294,044	288,479	310,273
	<i>000 Gal.</i>		
<b>FROZEN PRODUCTS:</b>			
Ice Cream, Hard	89,305	85,886	82,466
Ice Cream, Lowfat	36,448	39,814	38,892
Ice Cream, Nonfat	1,410	1,364	1,300
Sherbet, Hard	4,830	5,264	4,858
Frozen Yogurt, Total	6,877	5,772	5,679
<b>FOR PRODUCTS:</b>			
Ice Cream Mix	49,435	48,563	45,142
Ice Cream Mix, Lowfat	21,863	22,945	22,394
Ice Cream Mix, Nonfat	872	785	729
Sherbet Mix	3,485	3,315	3,143
Yogurt Mix	4,257	3,498	3,442

## MILK COWS & MILK PRODUCTION

Item	Unit	Pennsylvania			23 States		
		Sep 2006	Aug 2007	Sep 2007	Sep 2006	Aug 2007	Sep 2007
Milk Cows.....	Thous.	553	551	550	8,251	8,330	8,342
Milk Per Cow.....	Lbs.	1,560	1,620	1,550	1,613	1,721	1,644
Milk Production .....	Mil. Lbs.	863	893	853	13,307	14,332	13,715

## CROP PROSPECTS – OCTOBER 1, 2007 WITH COMPARISONS

Crop	Year	Pennsylvania				United States				Unit
		Acreage (000)		Production		Acreage (000)		Production		
		Planted	Harvested	Per Acre	(000)	Planted	Harvested	Per Acre	(000)	
Corn.....	2006	1,350	960 <sup>1</sup>	122.0	117,120	78,327	70,648 <sup>1</sup>	149.1	10,534,868	Bu.
	2007	1,450	970 <sup>1</sup>	115.0	111,550	92,888	86,071 <sup>1</sup>	154.7	13,318,102	Bu.
Wheat, Winter.....	2006	160	150	59.0	8,850	40,575	31,117	41.7	1,298,081	Bu.
	2007	170	155	58.0	8,990	44,987	35,952	42.2	1,515,989	Bu.
Oats.....	2006	135	110	64.0	7,040	4,168	1,566	59.8	93,638	Bu.
	2007	115	80	56.0	4,480	3,760	1,505	60.9	91,599	Bu.
Barley .....	2006	55	46	81.0	3,726	3,452	2,951	61.1	180,165	Bu.
	2007	55	42	73.0	3,066	4,020	3,508	60.4	211,825	Bu.
Soybeans.....	2006	430	425	40.0	17,000	75,522	74,602	42.7	3,188,247	Bu.
	2007	440	415	39.0	16,185	64,081	62,818	41.4	2,598,046	Bu.
Hay, Dry Alfalfa.....	2006	-	500	3.00	1,500	-	21,384	3.35	71,666	Ton
	2007	-	550	2.70	1,485	-	21,451	3.37	72,347	Ton
Hay, Dry Other.....	2006	-	1,250	2.90	3,625	-	39,423	1.78	70,000	Ton
	2007	-	1,150	1.70	1,955	-	40,338	1.87	75,617	Ton
Tobacco, All.....	2006	-	7.9	2,056	16,240	-	338.9	2,144	726,644	Lbs.
	2007	-	7.9	2,154	17,020	-	355.1	2,000	709,965	Lbs.
Potatoes, Fall.....	2006	11.0	10.5	260	2,730	993.7	983.0	406	398,921	Cwt
	2007	10.5	10.0	<sup>2</sup>	<sup>2</sup>	1,009.2	996.2	<sup>2</sup>	<sup>2</sup>	Cwt

<sup>1</sup> Harvested for grain, remainder of planted acres for silage and other uses. <sup>2</sup> Not available until November.

### OCTOBER 1, 2007 CROP FORECAST

Based on conditions as of October 1, 2007, Pennsylvania's production of Maryland-type and Pennsylvania seedleaf tobacco is expected to be above last year. Production of corn for grain, soybeans, dry alfalfa hay, all other dry hay, burley tobacco, apples, and grapes, is expected to be below a year ago.

Corn for grain production is forecast at 111.6 million bushels, 5 percent below last year's crop. Acreage for grain harvest is expected to total 970,000 with an average yield of 115 bushels per acre, compared with 960,000 acres and 122 bushels per acre last year. Soybean production is expected to be 16.2 million bushels, down 5 percent from last year's production of 17.0 million bushels. Harvested area is expected to be 415,000 acres and yield is estimated at 39 bushels per acre, unchanged from the September forecast, and down 1 bushel per acre from 2006.

Alfalfa dry hay production is forecast at 1.5 million tons, 1 percent below a year ago. Pennsylvania farmers expect to harvest 550,000 acres of alfalfa for dry hay, with an average yield of 2.70 tons per acre, down 0.3 ton per acre from the 2006 average yield. All other dry hay production is forecast at 2.0 million tons, 46 percent below a year ago. Pennsylvania farmers expect to harvest 1.15 million acres, with an average yield of 1.70 tons per acre, compared to the 2006 average yield of 2.90 tons per acre.

Pennsylvania's production of Maryland-type tobacco production is estimated at 2.31 million pounds, up 11 percent from last year. Acreage for harvest is set at 1,100 acres with an average yield of 2,100 pounds per acre. Pennsylvania's seedleaf-type tobacco production is estimated at 3.96 million pounds, 52 percent above 2006's crop. Acreage for harvest is set at 1,800 acres with an average yield of 2,200 pounds per acre. Production of light air-cured burley tobacco is estimated at 10.75 million pounds, down 7 percent from last year's production of 11.55 million pounds. Acreage for harvest is set at 5,000 acres with an average yield of 2,150 pounds per acre.

At the **United States** level, corn for grain production as of October 1, 2007, is forecast at 13.3 billion bushels, up slightly from last month and 26 percent above 2006. Based on conditions as of October 1, yields are expected to average 154.7 bushels per acre, down 1.1 bushels per acre from September, but 5.6 bushels higher than last year. If realized, the yield would be the second highest yield on record, behind the 160.4 bushel yield in 2004. Production would be the largest on record as growers expect to harvest the most corn acres for grain since 1933.

Forecast yields are higher than last year across the Great Plains, central Corn Belt, and Delta, where adequate rainfall during much of the season provided favorable growing conditions. Expected yields across the Ohio and Tennessee Valleys, Northeast, and mid-Atlantic states are down from last year as drought conditions during much of the growing season reduced soil moisture levels and stressed the crop. Area harvested and to be harvested for grain is forecast at 86.1 million acres, up 1 percent from September and 22 percent higher than last year.

U.S. soybean production is forecast at 2.60 billion bushels, down less than 1 percent from the September forecast and down 19 percent from last year's record high. Based on conditions as of October 1, yields are expected to average 41.4 bushels per acre, unchanged from last month, but down 1.3 bushels from last year. Compared with last month, yields are forecast lower in Illinois, Kentucky, Tennessee, Wisconsin, and most of the Atlantic Coast states. Hot, dry, conditions continued to cause most of the decline, especially in Delaware, Illinois, Kentucky, Virginia, and the Carolinas, all down at least 2 bushels from last month. Yields increased from the September 1 forecast in Iowa, Ohio, New York, the Dakotas, and most of the Gulf Coast states. Expected area for harvest is forecast at 62.8 million acres, down less than 1 percent from September, and down 16 percent from last year.

Nationally, production of dry hay of alfalfa and alfalfa mixtures, is forecast at 72.3 million tons, up 3 percent from the August forecast, and up 1 percent from last year. Based on October 1 conditions, yields are expected to average 3.37 tons per acre, up 0.11 ton from August, and up 0.02 ton from 2006. Harvested area is forecast at 21.5 million acres, unchanged from August, but slightly above the previous year's acreage. Other hay production is forecast at 75.6 million tons, up slightly from the August forecast, and up 8 percent from 2006. Based on October 1 conditions, yields are expected to average 1.87 tons, the same as the August forecast, but up 0.09 ton from last year. Harvested area, at 40.3 million acres, is unchanged from August, and up 2 percent from the previous year.

U.S. tobacco production is forecast at 710 million pounds, down 1 percent from the September forecast, and 2 percent below 2006. Area for harvest is forecast at 355,070 acres, unchanged from the previous forecast, but 5 percent above last year. Yields for 2007 are expected to average 2,000 pounds per acre, 23 pounds lower than the September forecast, and 144 pounds below a year ago.

Pennsylvania: All Forage - Acreage, Yield, Production and Value, 2005-2006 <sup>1 2 3</sup>

County & District	2005				2006			
	Harvested	Yield	Production	Value of Production	Harvested	Yield	Production	Value of Production
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>
Adams	36,800	2.62	96,300	11,910,320	41,500	4.18	173,400	21,192,610
Allegheny	7,400	2.18	16,100	2,079,540	8,100	2.88	23,300	3,117,380
Armstrong	37,800	2.48	93,800	12,407,740	39,500	3.54	139,700	18,895,780
Beaver	18,000	2.36	42,500	5,460,200	18,600	3.34	62,200	8,185,440
Bedford	55,100	2.42	133,300	16,225,500	60,400	3.16	190,700	24,370,450
Berks	47,400	2.94	139,200	17,139,200	49,600	3.93	195,000	24,332,700
Blair	24,000	3.18	76,300	8,805,600	26,100	4.05	105,600	12,543,470
Bradford	106,300	2.20	233,500	26,677,580	112,000	3.22	360,300	43,319,970
Bucks	15,400	2.38	36,600	4,489,840	17,100	3.18	54,300	6,839,560
Butler	37,700	2.61	98,500	13,176,800	40,500	3.61	146,200	19,423,270
Cambria	20,500	2.26	46,400	5,925,580	21,500	3.09	66,500	8,743,080
Cameron	800	1.50	1,200	145,660	800	2.63	2,100	265,720
Carbon	4,400	2.20	9,700	1,253,000	5,000	2.96	14,800	1,942,940
Centre	33,500	2.58	86,400	10,956,940	35,500	3.26	115,600	15,040,970
Chester	37,700	3.18	119,900	15,059,640	41,500	3.59	149,000	19,363,290
Clarion	34,300	2.42	83,000	10,587,760	37,200	3.08	114,600	15,033,480
Clearfield	20,500	1.88	38,500	4,876,720	22,000	3.06	67,400	8,942,760
Clinton	12,500	2.66	33,200	3,955,500	11,700	3.04	35,600	4,565,560
Columbia	15,000	2.36	35,400	4,322,240	16,000	3.56	57,000	7,300,180
Crawford	53,500	2.37	126,600	15,177,900	53,000	3.44	182,100	22,754,070
Cumberland	37,200	2.89	107,500	12,980,880	39,600	3.19	126,500	16,160,450
Dauphin	20,500	2.57	52,700	6,574,540	22,500	3.62	81,500	10,480,360
Delaware	600	2.67	1,600	187,300	600	3.17	1,900	236,620
Elk	5,600	2.02	11,300	1,420,460	6,100	2.49	15,200	1,987,440
Erie	29,000	2.16	62,600	7,486,900	31,300	2.78	86,900	10,924,330
Fayette	37,700	2.00	75,300	9,691,800	38,500	3.09	119,100	15,860,380
Forest	1,600	1.38	2,200	297,320	1,800	2.17	3,900	528,480
Franklin	69,200	3.03	209,900	23,828,900	76,100	3.42	260,100	29,803,790
Fulton	23,300	2.47	57,500	7,029,200	27,000	3.08	83,200	10,469,210
Greene	37,500	1.53	57,400	7,268,100	41,200	2.53	104,400	13,775,580
Huntingdon	32,000	2.81	90,000	10,298,100	36,200	4.00	144,800	17,196,490
Indiana	33,700	2.49	83,800	10,895,620	35,100	3.19	112,000	15,076,400
Jefferson	26,600	2.35	62,600	8,336,900	29,100	3.03	88,300	11,955,900
Juniata	18,500	2.93	54,200	6,493,560	20,900	3.99	83,300	10,479,010
Lackawanna	11,900	1.65	19,600	2,280,840	13,400	2.54	34,000	4,273,080
Lancaster	86,500	3.58	310,100	38,377,320	88,000	3.97	349,700	46,259,790
Lawrence	17,400	3.12	54,300	7,003,380	18,000	3.47	62,500	8,231,640
Lebanon	23,400	3.24	75,800	8,509,720	23,900	3.73	89,100	10,521,510
Lehigh	13,500	2.27	30,700	4,039,400	14,100	3.30	46,500	6,360,640
Luzerne	12,700	1.84	23,400	3,036,280	13,700	2.85	39,100	5,232,740
Lycoming	33,300	2.23	74,300	9,301,800	35,600	2.59	92,100	11,856,090
McKean	10,700	1.95	20,900	2,627,360	11,400	2.89	32,900	4,161,280
Mercer	36,800	2.72	100,000	12,589,620	38,000	3.52	133,800	17,565,970
Mifflin	21,100	3.12	65,800	8,083,200	21,900	3.74	82,000	10,626,290
Monroe	4,500	1.91	8,600	1,091,680	5,200	2.88	15,000	1,970,820
Montgomery	12,000	2.36	28,300	3,574,680	12,800	3.13	40,000	5,244,200
Montour	5,500	2.51	13,800	1,644,260	5,600	3.34	18,700	2,414,420
Northampton	11,200	2.47	27,700	3,719,500	12,000	3.31	39,700	5,561,300
Northumberland	15,700	2.49	39,100	4,679,000	16,600	3.19	53,000	6,757,280
Perry	37,500	2.14	80,100	9,201,680	41,600	3.13	130,400	16,058,990
Pike	1,200	2.25	2,700	337,340	1,300	2.54	3,300	442,200
Potter	23,000	2.21	50,800	5,826,180	24,500	2.96	72,500	8,659,210
Schuylkill	18,000	2.12	38,200	4,619,000	20,200	2.95	59,600	7,650,160
Snyder	21,500	2.52	54,200	6,499,800	22,100	3.69	81,600	10,267,030
Somerset	65,700	2.29	150,500	17,433,600	65,000	3.33	216,600	26,188,520
Sullivan	9,200	2.21	20,300	2,401,900	9,400	2.87	27,000	3,315,020
Susquehanna	63,100	1.90	120,100	14,281,420	65,400	3.24	211,600	25,894,570
Tioga	71,100	1.98	141,000	16,773,260	74,000	3.13	231,800	27,990,880
Union	15,700	2.87	45,100	5,182,180	17,000	3.62	61,600	7,395,750
Venango	13,300	1.99	26,500	3,333,900	14,100	2.83	39,900	5,054,360
Warren	21,300	2.28	48,600	5,703,860	22,800	2.96	67,400	8,212,330
Washington	71,200	1.94	138,100	17,999,140	78,200	2.68	209,600	28,414,000
Wayne	37,500	2.13	79,700	9,287,960	42,400	2.90	123,100	14,932,910
Westmoreland	40,000	2.22	88,600	11,559,320	41,500	3.00	124,500	16,598,370
Wyoming	20,500	1.86	38,100	4,658,680	22,300	2.73	60,800	7,763,360
York	42,400	2.41	102,000	12,777,900	44,400	3.52	156,100	20,402,170
Northwestern	155,500	2.36	366,500	44,589,500	161,000	3.19	514,000	65,039,540
North Central	272,500	2.15	586,500	69,129,700	285,500	3.05	869,500	106,121,170
Northeastern	133,000	1.94	257,500	30,508,900	143,500	2.99	429,500	52,863,920
West Central	205,500	2.52	518,500	67,868,400	218,000	3.33	725,500	96,801,910
Central	301,500	2.58	778,000	93,543,400	325,500	3.53	1,149,000	144,246,080
East Central	65,500	2.15	141,000	18,096,200	71,500	3.05	218,000	29,160,800
Southwestern	259,500	2.03	526,000	66,031,500	272,500	2.93	797,500	103,954,230
South Central	264,000	2.68	706,500	84,752,700	289,000	3.43	990,000	122,398,680
Southeastern	223,000	3.19	711,500	87,337,700	233,500	3.76	879,000	112,797,670
<b>Pennsylvania</b>	<b>1,880,000</b>	<b>2.44</b>	<b>4,592,000</b>	<b>561,858,000</b>	<b>2,000,000</b>	<b>3.29</b>	<b>6,572,000</b>	<b>833,384,000</b>

<sup>1</sup> Counties not shown separately included in 'Other Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. <sup>2</sup> Forage production includes all forms of harvested hay on a dry equivalent basis. Several assumptions are made to convert haylage and greenchop to a dry equivalent. Haylage production is based on haylage weight at harvest and then converted to dry equivalent production. <sup>3</sup> All Forage is the sum of the following dry equivalents: a) alfalfa hay harvested as **dry hay**, b) all other hay harvested as **dry hay**, c) alfalfa haylage and greenchop, d) all other hay haylage and greenchop.

## FRUIT FORECAST

Pennsylvania's apple and grape producers both anticipate harvesting a smaller crop of fruit in 2007 compared with 2006. The following forecasts are based on conditions as of October 1.

**Apples:** Pennsylvania's production is forecast at 455 million pounds, down 3 percent from last year's crop, and 9 percent lower than 2005. The October 1 forecast is unchanged from the August 1 forecast. Pennsylvania apples continued to be negatively affected by the dry conditions experienced this growing season. Growers report good crop loads, but smaller apples due to the dry conditions. Fruit finish and coloring have been excellent in 2007. The final U.S. forecast of the 2007 season is 9.25 billion pounds, down 7 percent from last year and 5 percent below the 2005 crop.

**Grapes:** Pennsylvania's production forecast is 80,000 tons, down 2 percent from last year and 11 percent below the 2005 crop. Concord and wine grape harvest is on-going. Niagara harvest is complete. Thus far in the season, juice grape growers report respectable yields. Brix levels have been excellent in both juice and wine grape varieties. Wine growers are reporting excellent potential vintages due to dry weather. Quality across all grape varieties has been excellent. U.S.

grape production is forecast at 6.99 million tons, up 9 percent from 2006 but 11 percent below 2005.

## OCTOBER 1, 2007 FRUIT FORECASTS WITH COMPARISONS

Crop	Year	Production	
		Pennsylvania	United States
<i>Million Pounds</i>			
Apples	2005	500.0	9,704.9
	2006	470.0	9,931.7
	2007	455.0	9,254.7
<i>Tons</i>			
Grapes	2005	90,000	7,813,700
	2006	82,000	6,417,150
	2007	80,000	6,990,450



2007 CENSUS OF  
AGRICULTURE

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USDA  
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