



Estimated U.S. Dried Distillers Grains with Solubles (DDGS) Production & Use

Updated 1/16/2012

Year (production/marketing): *	Historic			Prelim.	Proj.	Projected 2012-2013		
	2007-08	2008-09	2009-10	2010-11	2011-12	Low	Med.	High
Corn yield (bu. per acre)	150.7	153.9	164.7	152.8	147.2	148.0	164.2	168.0
Long-term Historic corn yield probability			0%	0%	30%	18%	65%	17%
Corn production (mil. bu.)	13,038	12,092	13,092	12,447	12,358	12,920	14,400	14,750
Corn usage for ethanol (mil. bushels)	3,049	3,709	4,568	5,021	5,000	5,050	5,150	5,175
DDGS Production:								
DDGS Production (mil. short tons) ^{1/}	25.92	31.53	38.83	42.67	42.50	42.93	43.78	43.99
DDGS production (mil. bu. corn equiv.)	682	842	1,051	1,162	1,164	1,183	1,208	1,214
Estimated DDGS Usage:								
Exports (mil. bu. corn equivalent)	60	104	149	209	249	278	269	276
Domestic use (mil. bu. corn equivalent)	406	578	694	842	917	906	913	932
Estimated DDGS Usage (mil. short tons):								
Domestic Usage ^{3/}	21.82	25.73	30.68	33.07	32.51	32.84	33.49	33.65
Dairy ^{4/}	8.82	9.78	10.92	11.28	11.02	11.13	11.32	11.37
Beef ^{5/}	10.39	12.86	16.07	17.66	17.43	17.60	17.98	18.07
Swine ^{6/}	1.31	1.54	1.84	2.28	2.34	2.36	2.44	2.46
Poultry ^{7/}	1.31	1.54	1.84	1.85	1.72	1.74	1.74	1.75
Exports ^{2/}	4.10	5.80	8.15	9.60	9.99	10.09	10.29	10.34
Total Domestic & Export Usage	25.92	31.53	38.83	42.67	42.50	42.93	43.78	43.99
Estimated DDGS Substituted for Corn (million bushels):								
Exports	104	149	209	248	262	269	276	278
Domestic feeding:								
Dairy ^{8/}	142	157	176	183	178	179	182	183
Beef ^{9/}	371	459	574	626	620	629	641	644
Swine ^{10/}	40	47	56	65	68	72	73	74
Poultry ^{11/}	26	30	36	39	36	34	35	35
Total domestic substituted for corn	578	694	842	914	902	913	932	936
Total Substituted for Corn	682	842	1,051	1,162	1,164	1,183	1,208	1,214
Estimated DDGS Substituted for Soybean Meal (SBM) (million short tons):								
Beef	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Dairy	2.55	2.99	3.61	3.90	3.81	3.87	3.83	3.91
Swine	0.14	0.20	0.25	0.27	0.26	0.26	0.26	0.27
Poultry	0.32	0.37	0.37	0.36	0.36	0.36	0.36	0.35
Total	3.03	3.57	4.25	4.54	4.44	4.51	4.47	4.55
Exported	0.60	1.05	1.47	1.72	1.83	1.81	1.79	1.93
Total SBM replaced	3.63	4.62	5.72	6.26	6.26	6.31	6.26	6.48
Total DDGS Substitution (acres):								
Gross acres used for ethanol (mil. harv.)	20.2	24.1	27.7	32.9	34.0	34.1	31.4	30.8
DDGS substituted for corn (mil. harv. ac.)	4.5	5.5	6.4	7.6	7.9	8.0	7.4	7.2
Net harvested corn acres used for ethanol (million acres)	15.7	18.6	21.4	25.2	26.1	26.1	24.0	23.6
Net percent of harvested corn acres used for ethanol	18.2%	23.7%	26.9%	31.0%	31.0%	29.9%	27.4%	26.9%
Soybean acres replaced by DDGS substitution for soybean meal (mil. harv.)	3.64	4.80	5.32	5.86	6.12	6.25	5.83	5.76
Total Biofuels Usage (acres):								
Soybean acres needed for biodiesel	6.2	4.5	3.4	4.3	7.6	7.9	7.7	7.4
Percent of soybean acres needed for biodiesel	10%	6%	4%	6%	10%	10%	10%	10%
Total acres needed for biofuels (ethanol and biodiesel)	21.9	23.1	24.8	29.5	33.7	34.1	31.7	30.9
Percent of corn & soybean acres needed for biofuels	15%	15%	16%	19%	21%	21%	19%	19%

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Assumed Utilization Patterns:

- ^{1/} 17 Pounds DDGS per bushel of corn
- ^{2/} Exported varies by year and is 24% for 2011-12:
- ^{3/} Domestic usage assumptions:
- ^{4/} Domestic usage fed to dairy
- ^{5/} Domestic usage fed to beef
- ^{6/} Domestic usage fed to swine
- ^{7/} Domestic usage fed to poultry

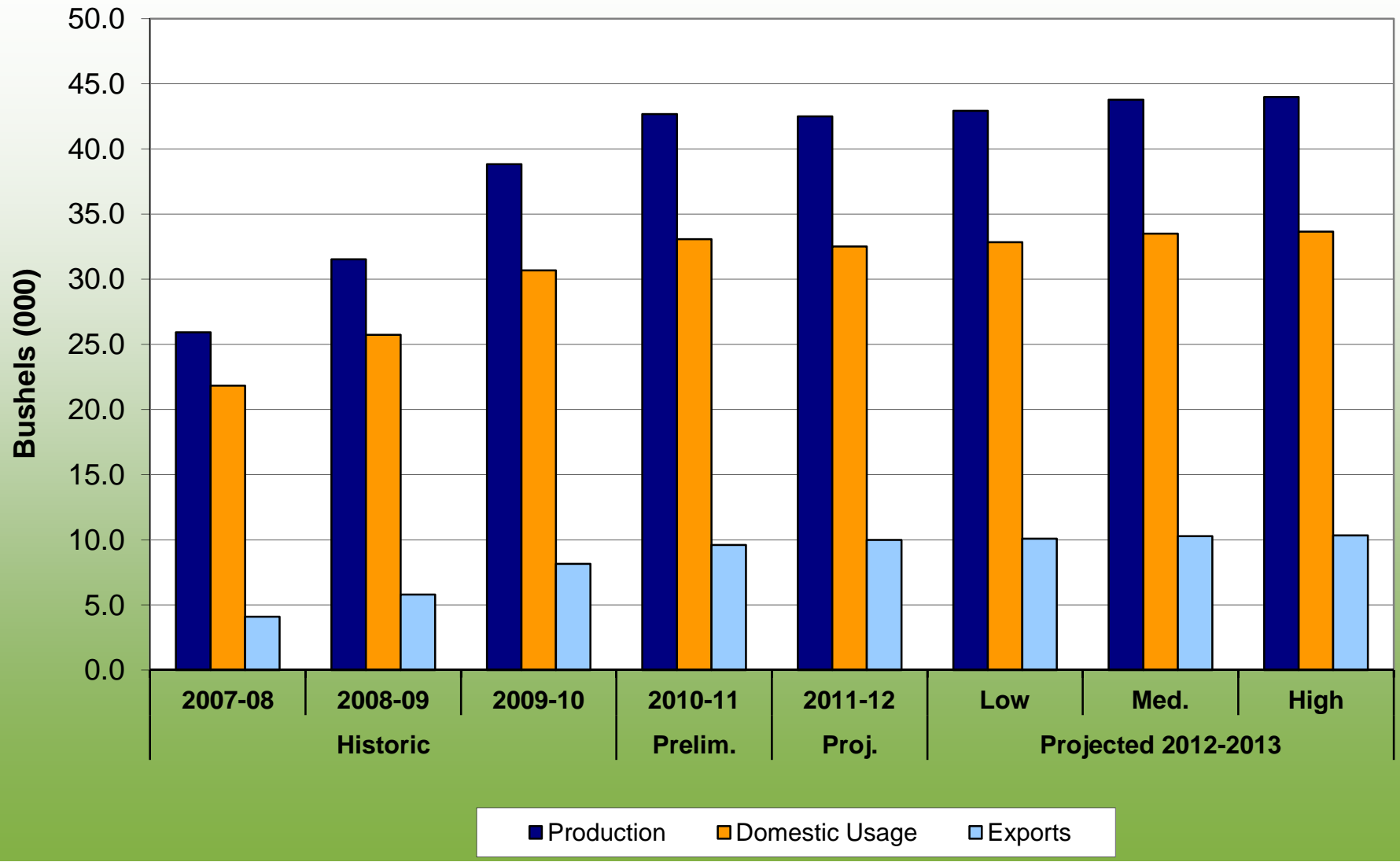
* Marketing year - starts at Sept. 1 of the production year and ends August 31 of the following year. For example, the 2009 crop is marketed from Sept. 1, 2009 to August 31, 2010.

... and justice for all

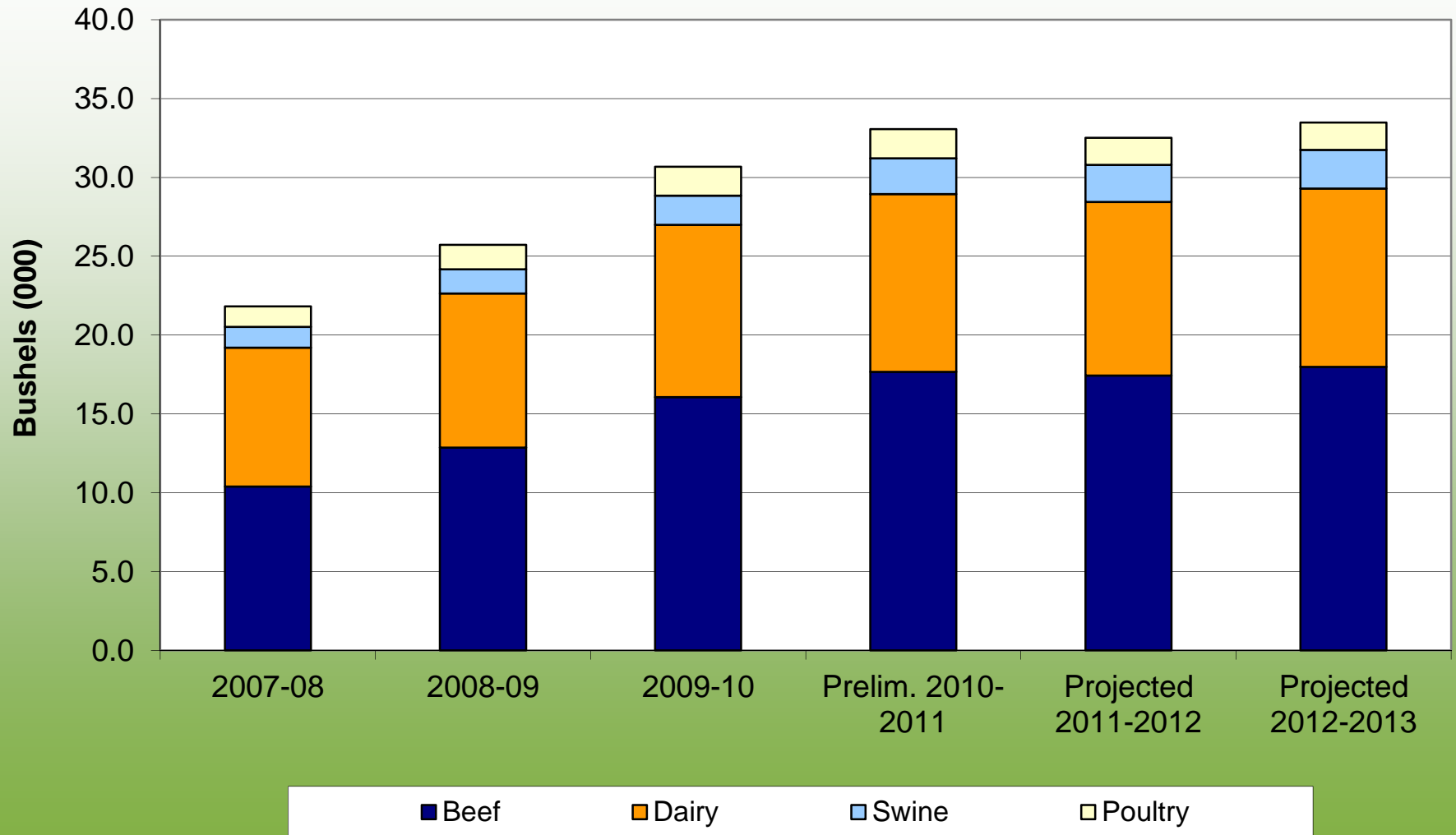
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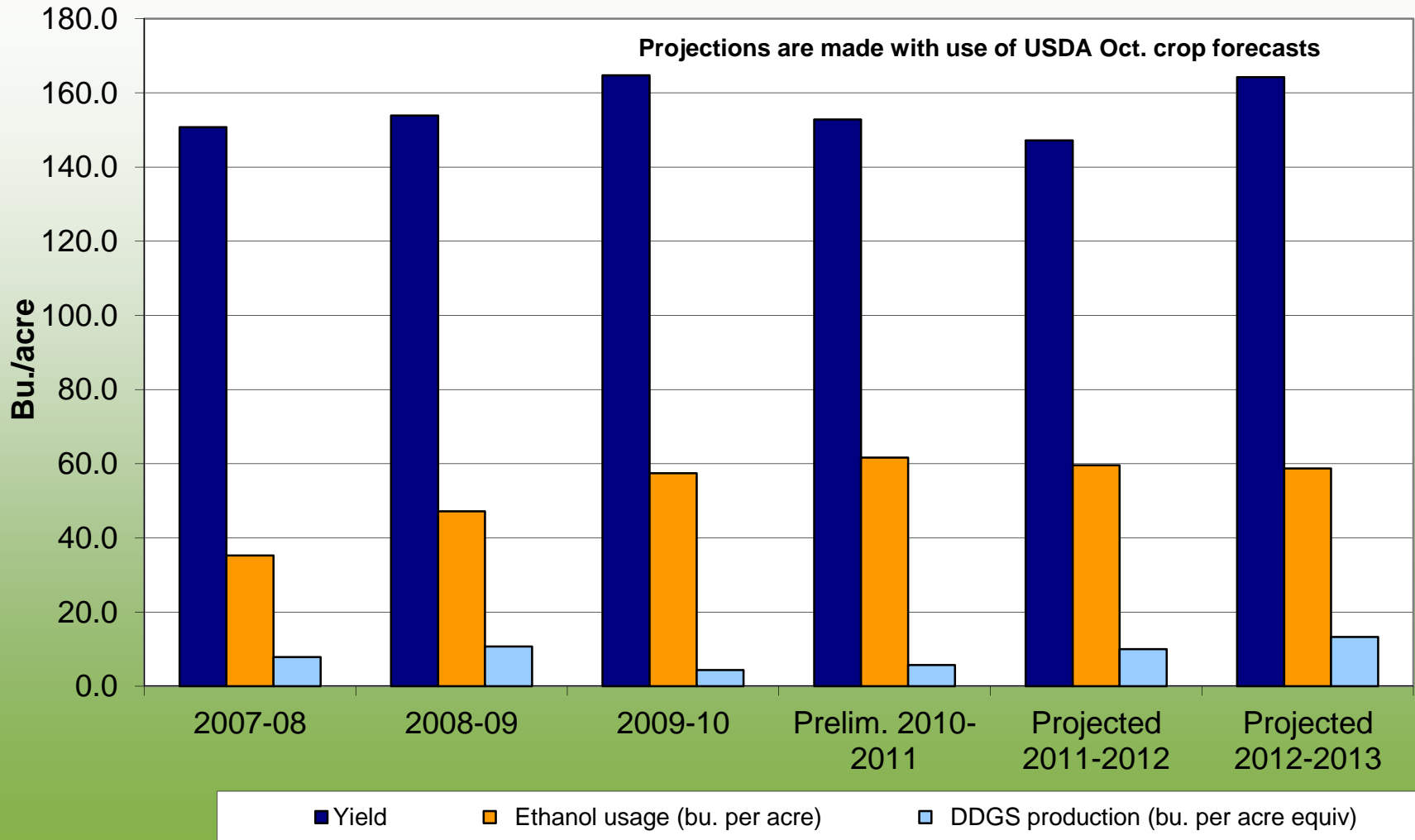
Dried Distillers Grains Production and Usage



DDGS Usage (beef, dairy, swine, and poultry), Corn Equivalent



Total Yield, Bushels used for Ethanol and Returned as Dried Distillers Grains



Total Corn Feeding & Estimated Corn Replaced by DGS Feeding

