



Biodiesel Usage Projections & Soybean Balance Sheet (mil. bu.)

Updated: 12/18/2009

	Historic				Prelim.	Projected 2009-2010 ¹			Projected 2010-2011			
	2004-05	2005-06	2006-07	2007-08		2008-09	Low	Med.	High	Low	Med.	High
Year: (production/marketing) ^{1/}												
Yield (bu. per acre)	42.2	43.0	42.7	41.7	39.7	42.0	43.3	44.0	39.5	43.1	44.0	
Long-term historical yield probability:									18%	65%	17%	
Soybean Supplies:												
Planted acres (million)	75.2	72.0	75.5	64.7	75.7	77.5	77.5	77.5	76.2	76.2	76.2	
Harvested acres (million)	74.0	71.3	74.6	64.1	74.7	76.2	76.6	76.7	75.1	75.5	75.5	
Production (mil. bu.)	3,124	3,063	3,188	2,676	2,967	3,200	3,319	3,375	2,966	3,254	3,322	
Beginning carryover (mil. bu.)	112	256	449	574	205	138	138	138	250	250	250	
Total Supply	3,242	3,322	3,647	3,261	3,185	3,347	3,465	3,520	3,223	3,510	3,580	
Total Soybean Usage:												
Crush (mil. bu.)	1,696	1,739	1,808	1,803	1,662	1,690	1,700	1,705	1,675	1,690	1,710	
Seed & residual (mil. bu.)	192	188	149	93	101	177	175	175	183	175	175	
Exports (mil. bu.)	1,097	947	1,116	1,159	1,283	1,335	1,340	1,345	1,220	1,260	1,275	
Total Usage	2,986	2,873	3,073	3,056	3,047	3,202	3,215	3,225	3,078	3,125	3,160	
Oil Yield, lbs./ bu. of soybeans ^{3/}	11.4	11.7	11.3	11.5	11.3	11.3	11.4	11.5	11.3	11.4	11.5	
Biodiesel Usage:												
Soybean oil use for biodiesel, mil. lbs. ^{3/}	424	655	2,762	3,245	1,907	2,175	2,200	2,250	3,500	3,550	3,600	
Use for biodiesel, bushel equivalent	37	56	244	281	169	192	194	197	310	311	313	
Soybean oil for biodiesel, % of oil from crop	1.2%	1.8%	7.7%	10.5%	5.7%	6.0%	5.8%	5.8%	10.4%	9.6%	9.4%	
Soybean oil for biodiesel, % of oil from crush	2.2%	3.2%	13.5%	15.6%	10.2%	11.3%	11.4%	11.5%	18.5%	18.4%	18.3%	
Ending Soybean Carryover: (mil. bu.)	256	449	574	205	138	145	250	295	145	385	420	
Carryover as percent of supply	7.9%	13.5%	15.7%	6.3%	4.3%	4.3%	7.2%	8.4%	4.5%	11.0%	11.7%	
Carryover, weeks of total use	4.5	8.1	9.7	3.5	2.4	2.4	4.0	4.8	2.5	6.4	6.9	
Prices:												
U.S. weighted avg. farm price	\$5.74	\$5.66	\$6.43	\$10.10	\$9.97	\$10.75	\$9.00	\$8.95	\$10.30	\$8.25	\$7.50	
Iowa weighted avg. farm price	\$5.64	\$5.60	\$6.38	\$10.05	\$9.92	\$10.45	\$8.90	\$8.85	\$10.25	\$8.20	\$7.45	
Counter-Cyclical Pmt.	\$0.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Harvest price (central Iowa)	\$4.70	\$5.15	\$5.45	\$8.45	\$8.50	\$9.50	\$9.50	\$9.50	\$9.80	\$7.70	\$6.85	
Nov. futures price (harvest avg.)	\$5.15	\$5.70	\$6.05	\$9.45	\$9.10	\$9.95	\$9.95	\$9.95	\$10.60	\$8.50	\$7.65	
Soy meal, Decatur, \$/T 48% protein	\$184	\$175	\$205	\$210	\$331	\$350	\$280	\$275	\$315	\$235	\$205	
Soy oil, \$ per cwt., marketing year avg.	\$23.01	\$23.41	\$31.00	\$52.03	\$32.16	\$38.75	\$37.00	\$36.50	\$38.00	\$36.00	\$35.00	
Year-to-Year Change in Mil. Bu. soybean use:												
Crush	166	42	70	-5	-141	28	38	43	-25	-10	10	
Seed & residual	83	-5	-39	-56	8	76	74	74	8	0	0	
Exports	210	-150	169	43	124	52	57	62	-120	-80	-65	
Total Usage	461	-113	200	-17	-9	155	168	178	-137	-90	-55	

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Notes:

- ^{1/} Marketing year - starts at Sept. 1 of the production year and ends August 31 of the following year. For example, the 2007 crop is marketed from Sept. 1, 2007 to August 31, 2008.
- ^{2/} Long-term probabilities reflect historical changes to final crop estimates
- ^{3/} Actual biodiesel production is not available for 2004-05 & 2005-06. Output levels for these years are estimated as residuals after other food use.

Key Balance Sheet Assumptions:

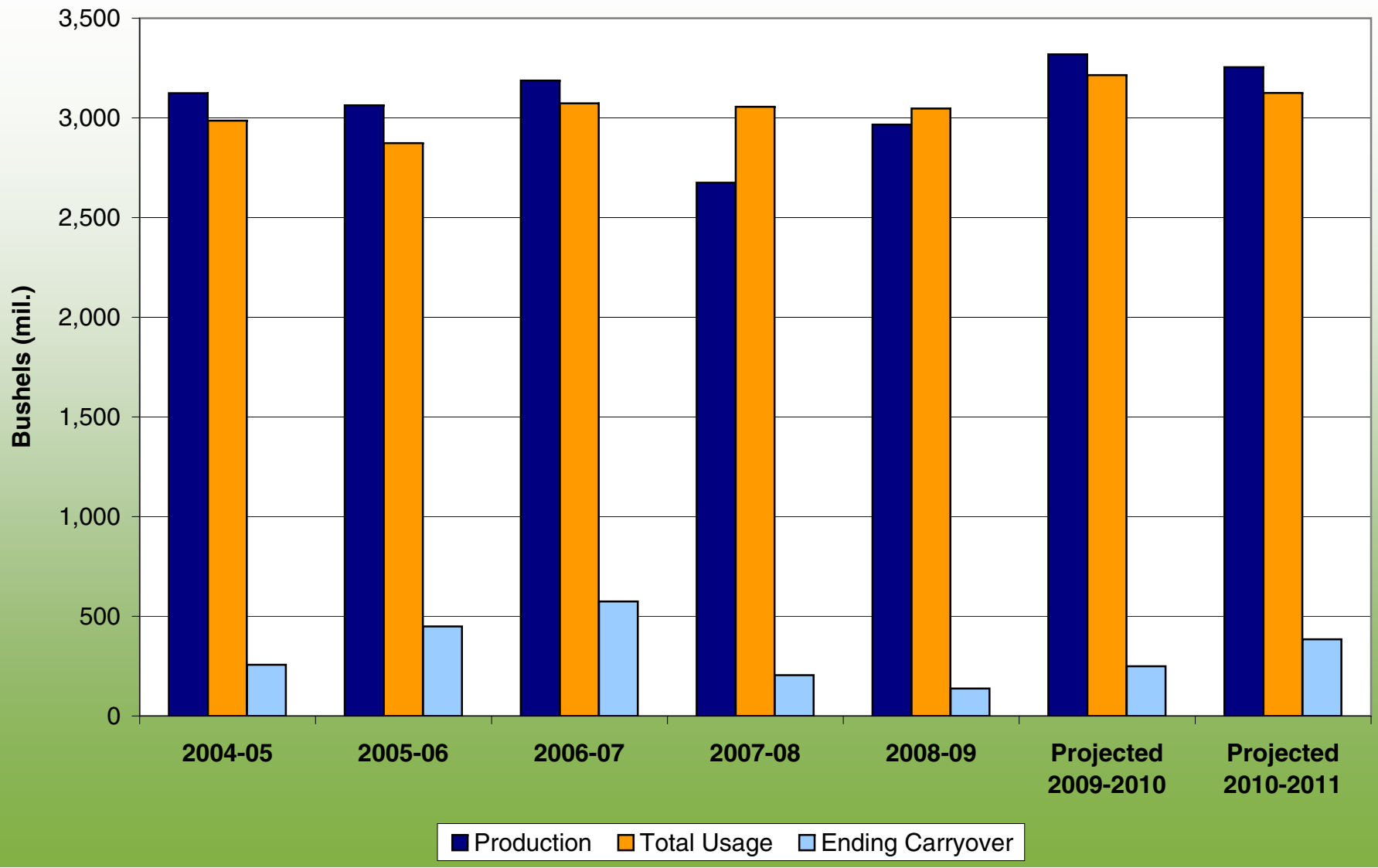
1. No changes in Conservation Reserve Program.
2. Crude oil (petroleum) price stays in \$60-\$75/barrel range for the rest of 2008-09, then gradually increases in the next two years.
3. U.S. Ethanol mandates, blending credit, and import tariff are unchanged & enforced. E-15 blends are allowed starting in January 2010.
4. U.S. & World economies have slow growth through 2010.
5. U.S. dollar gradually decreases relative to foreign currencies through 2012.
6. U.S. biodiesel mandate is implemented for 2010 but not 2009 & excess RINs keep biodiesel use below mandate.

... and justice for all

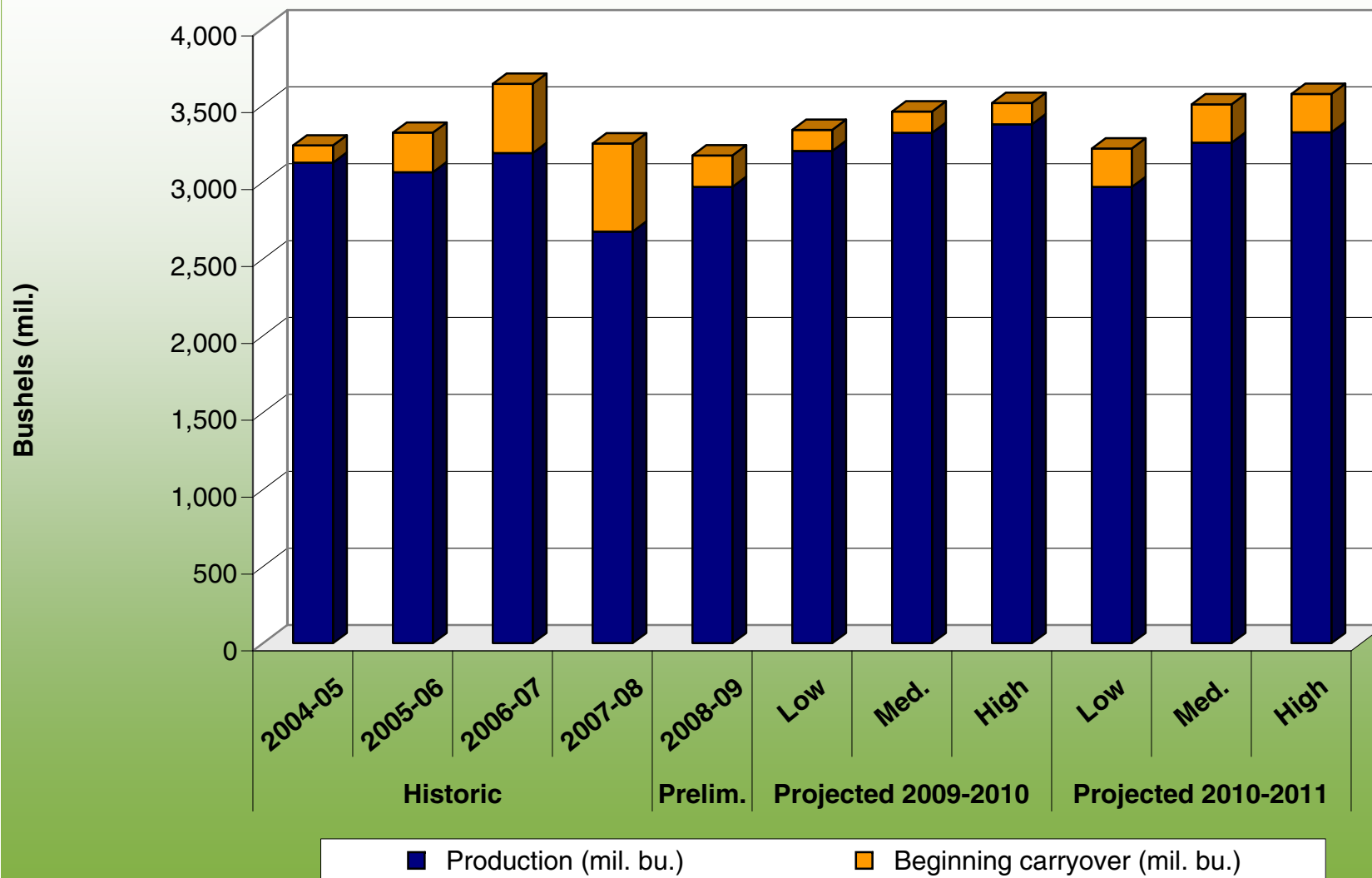
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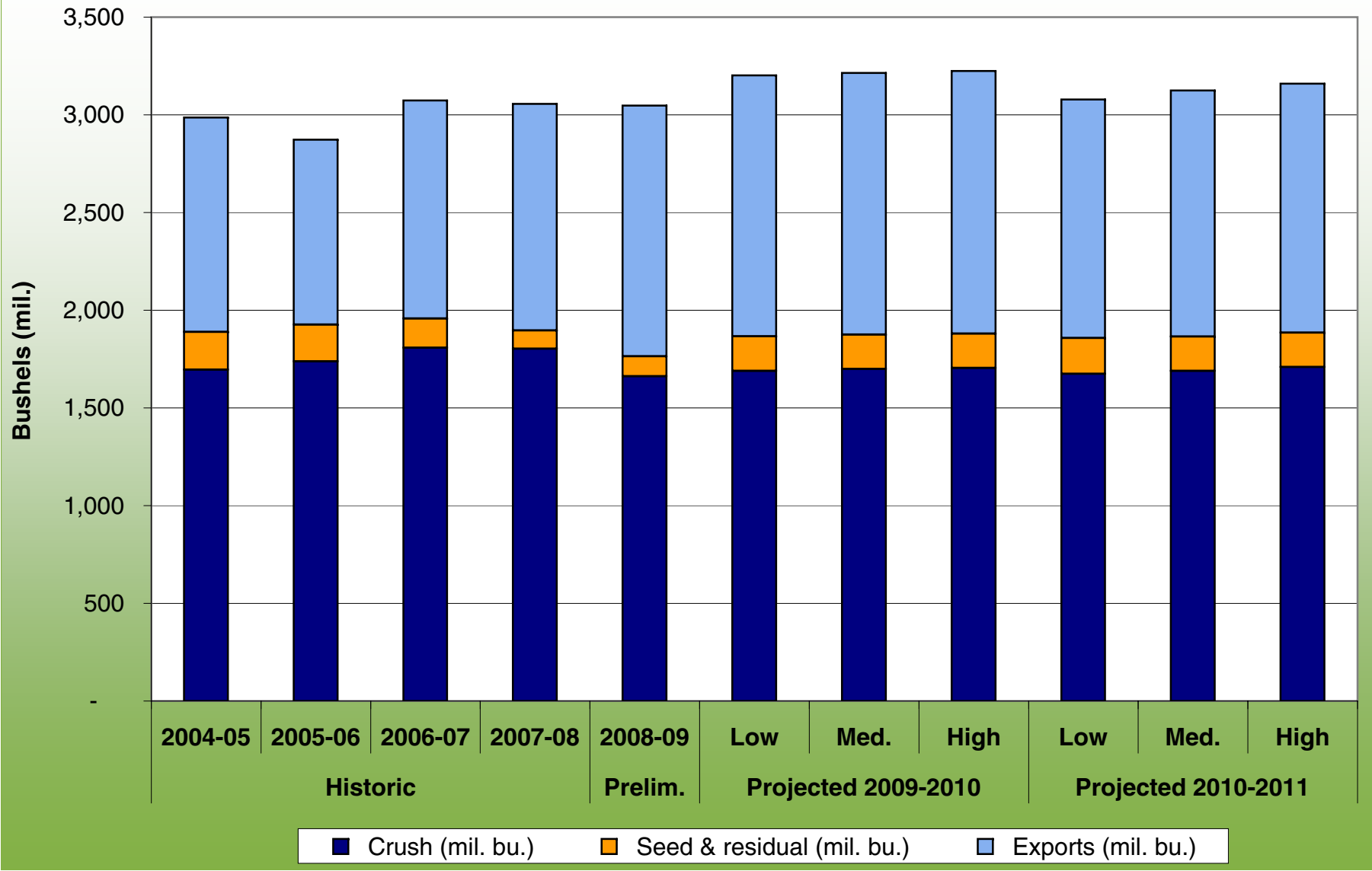
Soybean Production, Usage, and Carryover



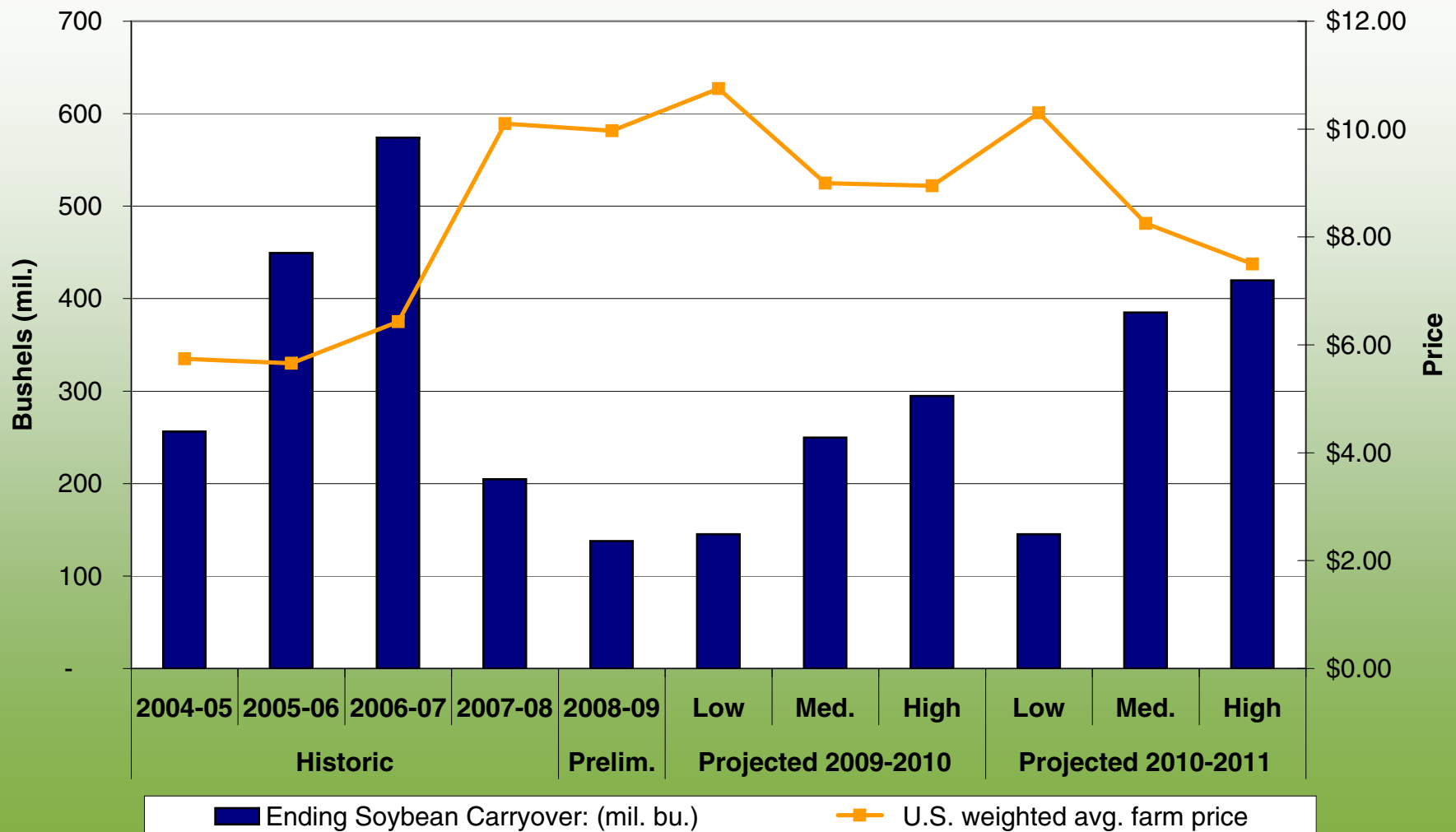
Yearly Production and Beginning Carryover for Soybeans



Usage of Soybean Supply



Ending Carryover and the U.S. Weighted Average Farm Price



Ending Carryover, Weighted Average Iowa Farm Price, and Iowa Harvest Price

