WESTERNUNITEDDAIRIES

WEEKLY UPDATE | APRIL 2, 2024

Protect Your Herds - This is Serious

A note from Anja Raudabaugh, CEO of Western United Dairies

Highly Pathogenic Avian Influenza A (HPAI)/H5N1 virus is for the first time affecting dairy cattle across the United States. Federal and state agencies are moving quickly to conduct additional testing for the virus, including any other multi-factorial components of the disease event in dairy cattle. Viral genomic sequencing is being conducted at present, but the vector for this pathogen is not precisely known although birds are suspected. There are no known cases in California herds at this time. Epidemiologic evidence strongly suggests cow-to-cow transmission at present. CDQAP offers more information here.

Beef and dairy products are safe for consumers because pasteurization is effective at killing the virus.

This situation is evolving and changing. Guidance and directives will LIKELY CHANGE as more information is learned. USDA and Federal and State partners will continue to share additional updates as soon as information becomes available.

In addition to the <u>USDA guidance document</u> (see page 3), the following slides are exceeding helpful from a herd management perspective and are being provided by Select Milk Producers, Quality Control Veterinarian, Dr. Brandon Treichler, DVM.

WUD is requesting that the State of California use it's authority to ban all cattle coming into California from HPIA infected states until further notice.

Inclusion Criteria

- Drop in rumination/Rumen Hypomotility
- · Decline in feed intake
- · Decreased milk yield
 - · More severe cows essentially presenting as dry cows
- Changes in the milk
 - Thicker and often yellowish to brown, resembling colostrum
 - +/- Flakes in the milk
 - Many severe cows appear to have all quarters involved, but there are cows that will have only 1-2 quarters involved.
- · Widespread increase in milk conductivity



(continued on page 2)

Weekly Update Delivery Options

Send change of address or request for delivery to WUD by phone or email at: (209)527-6453 info@wudairies.com

Struggling with Depression?

Call 1-800-784-2433 any time, 24x7, for a live, trained person to talk with or to find local resources.

LUC: Lecheros Unidos de California

Western United Dairies is proud to host LUC, a clearinghouse of resources to assist in all aspects of searching for and hiring employees for your dairy.

LUC services are offered in Spanish & English & include:

- Free advertisement of job postings to a wide audience of potential employees
- Phone call interviews with translation services
- Access to a pool of pre-screened employees with dairy experience

For more information, visit: westernuniteddairies.co m/lecheros-unidos

(continued) Protect Your Herds -This is Serious

Other Associated Symptoms

- Changes in manure
 - · Most common symptom is drier "tacky" manure Likely secondary to dehydration
- Some herds do report more diarrhea predominating
- +/- Respiratory Symptoms
 - Varies from herd to herd and probably how quickly the cows are identified and how thorough the exam is
 - Most common symptom has been clear nasal discharge
- - Some herds report many cows presenting with fever, other herds very few

 Again may be dependent on how quickly animals are identified and the quality of physical exams
 - In the herds that are finding fevers, most are moderately elevated with a few
 - Potentially environmental factors or secondary infections contributing?

Populations Affected

- · Most of the severe cases come from older, mid-lactation cows
 - My clinical impression is much of the lactating herd is impacted,
 - · We have seen some severe cases out of LACT 1 and Fresh Cows
 - Few if any out of Dry Cows
- There are also groups that have not seen any noticeable changes in intakes or morbidity
 - · To my knowledge, no cases are being reported from calves and youngstock
 - We have not had any reports from our beef neighbors and colleagues despite many being in very close geographic proximity
 - · Cow Calf Producers or Feedlots



Time Course

- · Most herds seem to pull cases for 10-14 days
- The peak pulls seems to be between 3-7 days into the outbreak
- · Herds are reporting pulling 10-20% of cows to the hospital for examination and treatment
 - That only represents the most severe cows. My opinion is that much of the herd is impacted in some way (sub-clinical?)
- · Most cows start coming back on feed intake within a few days
- Herds seemingly are taking 30-45 days to begin to see BTSCC come down to pre outbreak levels, and per cow milk production to approach pre-outbreak levels.

Economics

- Milk Drop has been a consistent finding!
 - · 4-20+ lbs per cow on a herd level is what I have seen
 - Varies somewhat on the age of the herd and pre-outbreak production
- Culling occurs in two waves
 - There is some initial culls that occur from the worst effected cows and those with secondary infections
 - There is a second wave after we stop seeing clinical cases of cows that do not come back into milk
 - Many more cows than we initially expected are coming back into lactation, but s
 only just barely enough to hold them in the herd till dry off



Economics Continued

- Treatment and Labor Costs

 - Many cows that need exams and treatment
 Most common approach seems to be supportive care, mostly fluid therapy as well as managing symptoms like fever
 Seem to be a number of secondary health issues we see, and those also require treatment and management
- Mortality
 We see few mortalities coming directly from the initial outbreak
 But you have to balance that against the fact that some of the worst cases cuts
 And the secondary infections do lead to some indirectly related deaths
- Reproduction
 - eproduction

 Many herds are not far enough through the progression to know the true effects

 We have seen a slightly increased level of abortions

 Because of the metabolic disruption, future fertility or cyclicity is likely to be



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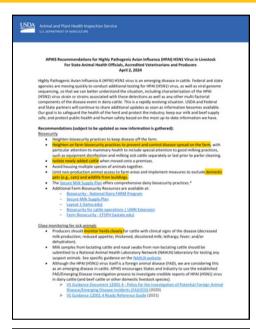


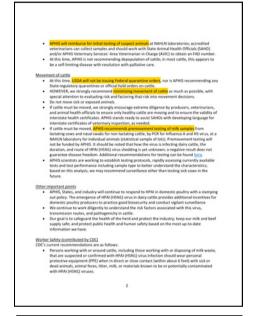
Highly Pathogenic Avian Influenza (HPIA) is NEW Disease in Dairy Cattle

Existing biosecurity plans should be reviewed as they contain baseline preparatory safety information, however HPIA is a new pathogen not previously considered as part of those plans. Please read these important guidelines from USDA in preparing your herds for this new virus and be sure and check out the wudairies.com website for more information.

NOTE: We have highlighted areas of importance. Please take the time to review the highlighted sections.

DOWNLOAD DOCUMENT





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Depond cattle generally means cattle located on a premises with cattle with suspected or confirmed HONI. Given the variety of premises sizes and the potential for state requirements, DAN commends under consolid with State regulatory efficials and their veteriorists for further guidance.

Test for HAV is posited milly great to recurring commercie in inqualitative districts and their veteriorists and their veteriorists.

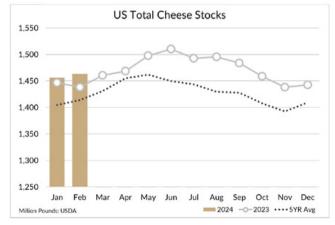
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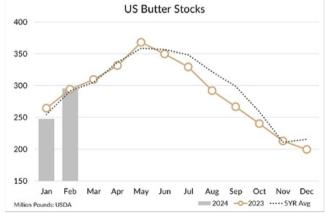
WEEKLY MARKET UPDATE

USDA's Cold Storage report put US February butter stocks at 295.8 million pounds, up 48.2 million pounds versus January and well above expectations. Cheese stocks reached 1.463 billion pounds, up 6.8 million pounds on the month and just below the historical average increase.

- While bulk stocks are ample, spot butter prices remained elevated ahead of the Easter holiday weekend. The big question now: With spring holidays in the rearview, will markets drop?
- Amid more reports of healthy inventories and tepid demand, spot cheddar markets remain lethargic. Blocks and barrels were relatively unchanged last week.
- New Zealand milk powder prices dropped at last week's GDT Pulse event. SMP settled at \$1.12 per pound, down 5.4% from the previous Pulse. WMP finished at \$1.40 per pound, down 3.3%. CME spot NDM, however, pressed higher, settling up roughly a penny on the week.
- The latest USDA report pointed to ample grain stocks. Corn inventories were pegged at 8.35 billion bushels, up 13% year-over-year. Soybean stocks were estimated at 1.85 billion bushels, 9% higher on the year.

- Farmers are planning to put less corn in the ground. USDA estimated this year's corn plantings at 90.0 million acres, below forecasts for 91.77 million acres. Soybean acreage was estimated at 86.51 million acres, roughly in line with estimates for 86.53 million acres.
- USDA identified an illness impacting cattle in the Southwest as Highly Pathogenic Avian Influenza. Questions remain around HPAI, but USDA says it doesn't pose any threats to commercial milk supply or consumer health.
- USDA's 2024 Dairy Margin Coverage enrollment is open through April 29. The February payment rate is \$0.06 per hundredweight.





Dairy Revenue Protection Program								
Premium Per CWT (CA)								
\$0.27								
\$0.32								
\$0.39								
\$0.49								
\$0.45								
\$0.51								
\$0.55								
\$0.63								
\$0.64								
N/A								



	CME	Commod	lity Prices	•	10.0	
	Blocks	Barrels	Butter	NDM	Dry Whe	
Mar-25	\$1.4275	\$1.4300	\$2.8625	\$1.1225	\$0.3950	
Mar-26	\$1.4250	\$1.4375	\$2.8300	\$1.1225	\$0.4000	
Mar-27	\$1.4075	\$1.4200	\$2.8400	\$1.1200	\$0.4025	
Mar-28	\$1.4175	\$1.4275	\$2.8425	\$1.1200	\$0.4025	
Mar-29						
Average	\$1.1355	\$1.1430	\$2.2750	\$0.8970	\$0.3200	
Weekly Change	0.0250	0.0025	0.0350	0.0125	0.0075	
	Orde	r 51: Lat	est Prices		925	
	Dec	Jan	Feb	Mar	Apr	
Class I LA	\$22.06	\$20.78	\$20.29	\$21.10	\$21.48	
Class II	\$19.88	\$20.04	\$20.53			
Class III	\$16.04	\$15.17	\$16.08			
Class IV	\$19.23	\$19.39	\$19.85			
PPD	\$1.51	\$1.64	\$1.33			
Blend: LA*	\$17.55	\$16.81	\$17.41			

USDA Dairy Margin Coverage (per CWT)											
	Month	All Milk		All Milk Feed		Margin Estimate		Indemnity Estimate @ 9.50 Margin			
	Jan-24	\$	20.10	\$	11.62	\$	8.48	\$	1.02		
2024 Program	Feb-24	\$	20.60	\$	11.16	\$	9.44	\$	0.06		
	Mar-24	\$	20.37	\$	10.61	\$	9.76	\$			
	Apr-24	\$	19.66	\$	10.66	\$	8.99	\$	0.51		
	May-24	\$	19.49	\$	10.65	\$	8.84	\$	0.66		
	Jun-24	\$	19.73	\$	10.73	\$	9.00	\$	0.50		
	Jul-24	\$	20.22	\$	10.81	\$	9.41	\$	0.09		
	Aug-24	\$	20.99	\$	10.87	\$	10.12	\$	-		
	Sep-24	\$	21.62	\$	10.93	\$	10.69	\$			
	Oct-24	\$	22.02	\$	10.98	\$	11.04	\$			
	Nov-24	\$	22.29	\$	11.04	\$	11.25	\$			
	Dec-24	\$	22.03	\$	11.10	\$	10.93	\$			

change daily.

