

Sheet1

2025 Iowa State U Veterinary Diagnostic Laboratory Cyanide (HCN) Analyses on Cherry Leaves

\*Fresh samples were packed into 1 qt plastic wide-mouth lab jars with foam cap liners & frozen. \*1st moist test 10/13/25  
 \*Ensiled samples were packed likewise & kept in a cabinet in a sunny room, then frozen. \* HCN tests complete 10/15  
 \*6/3/25 fresh sample was machine separated, then further hand-sorted to remove twigs. I may have hand-stripped the  
 6/3/25 dried sample. All other samples were hand-stripped.

\*The dried sample was double-bagged & frozen (all others were in containers as above).

Harvested	Site, Sample Description	ICN ppm as fed	% Moisture	HCN ppm DM test 12/9//25	2 <sup>nd</sup> moisture DM (2 <sup>nd</sup> moisture)	HCN ppm DM (2 <sup>nd</sup> moisture)	
07/03/25	3SF Black Cherry, Fresh	613.90	67	1860.30	67	same	
07/03/25	3SF Black Cherry, Ensiled 30 days	297.60	71	1026.21	71	same	
07/03/25	3SF Black Cherry, Ensiled 60 days	381.50	71	1315.52	68	1192.19	
07/03/25	3SF Black Cherry, Ensiled 90 days	<50	53	*n.d.	53	same	
*n.d.= none detected							
07/03/25	3SF Black Cherry, wilted 4 hrs, Fresh	374.30	59	912.93	59	same	
07/03/25	3SF Black Cherry, wilted 4 hrs, Ensiled 30 days	284.40	55	632.00	56	646.36	
07/03/25	3SF Black Cherry, wilted 4 hrs, Ensiled 60 days	<50	58	n.d.	58	same	
07/03/25	3SF Black Cherry, wilted 4 hrs, Ensiled 90 days	380.30	63	1027.84	58	905.48	
07/03/25	3S New Result BC wilted 4 hrs, Ensiled 90 days	460.30	<(New HCN results, this sample, 1/6/26)>			58	1095.95
07/03/25	3SF Black Cherry, wilted 24 hrs, Fresh	118.00	43	207.02	43	same	
07/03/25	3SF Black Cherry, wilted 24 hrs, Ensiled 30 days	<50	44	n.d.	44	same	
07/03/25	3SF Black Cherry, wilted 24 hrs, Ensiled 60 days	<50	46	n.d.	44	same	
07/03/25	3SF Black Cherry, wilted 24 hrs, Ensiled 90 days	<50	57	n.d.	57	same	
For above 7/3 samples, this season's new growth was snapped off, then leaves were hand-stripped & packed into air-tight containers, or the new growth was set upright in baskets to wilt for designated time-period before said hand-stripping/packing.							
05/21/25	YKF Black Cherry, Fresh (container)	300.20	69	968.39	67	909.70	
06/03/25	YKF Black Cherry, Fresh (container)	126.30	66	371.47	66	371.47	
06/03/25	YKF Black Cherry, Dried (double-bagged)	945.60	60	2364.00	34	1432.73	
06/03/25	YK New Result BC Dried (double-bagged)	1079.80	<(New HCN results, this sample, 1/6/26)>			34	1636.06
07/13/25	Choke Cherry, Fresh, Harriman Rd Swanville (container)	246.90	65	705.43	65	705.43	

ISUDVL Guidelines: 0-500 Generally safe, should not cause toxicity  
 ppm HCN DM 600-1,000 Potentially toxic, should not be the only source of feed.  
 1,000 & above Dangerous to cattle & usually will cause death.