

# Ask the Vet/Ask the Nutritionist



“I would like to test some feed stuffs with Dairyland Labs. Which test package do you recommend?” - Wondering in Wisconsin

Crystal Creek® recommends the *Select Package*. The *Select Package* (listed as N7 NIR Select on the Dairyland Labs Submission form) is recommended over the *Basic Package* because its analysis offers an evaluation of ash, TDN and NE values, where the *Basic Package* does not. Crystal Creek® considers these values essential for balancing a ration. The table below shows what each *NIR Package* is tested for. The *NDF Digestibility*, *CNCPS 6.5*, *CNCPS 6.1* and *Complete Packages* include varying NDF digestibility levels and RFQ (Relative Feed Quality) values as well. It is useful to have a RFQ value if you are looking to market your forage. The different NDFD values give valuable insight into the quality of the NDF and how it is digested, but

is not required to balance a ration. NIR forage testing is less expensive and faster than other test methods. See the chart below for package costs.

If you suspect your feed is at risk for mycotoxins, Dairyland Labs now offers a new mycotoxin test called the *Complete 17*. This test checks for 17 different types of mycotoxins and has higher detection rates than other methods offered. A more economical approach is the *Any 4 Toxins* test. The four toxins that we recommend testing for are DON/Vomitoxin, Zearalenone, T2, and Fumonisin/B1.

- By Alex Austin, B.S.

Near Infra-Red Spectroscopy (NIR) Packages



NIR Packages	Moisture CP, ADP, NDF	pH (ensiled forages)	AD-ICP	ND-ICPs	Fat, Ash	TFA	16:0, 18:0, 18:1, 18:2, 18:3	Fatty Acids	Lignin	Protein Solubility	Starch	IVSD 7hr, NIR	Sugar (WSC)	Ammonia-N (ensiled forages)	VFA Screen (ensiled forages)	Ca, P, Mg, K, S	NFC	RFV	RFQ (requires NDFD 48 hr. and 30 hr.)	NDFD 24 hr. and 30 hr.	NDFD 24hr. or 30 hr.	NDFD 30, 120, 240	uNDFrom 240	NDF Value and Cornell Penn Cals.	TDN, NE, NEG, Nem Based on ADP	OADR Energy Cals.	Milk 2007/2013 Energy Cals.	TDN, NE, NEG, NEM	Kd Rate (Van Amburgh), NDF	Kd Rate (Mertens)	Starch Kd (Mertens)	Starch Kd (Mertens) Corn, Corn Silage (oven dried only)	Prices
<b>Hay/Haylage</b>																																	
Complete	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Complete	\$ 27.00
CNCPS 6.5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.5	\$ 27.00	
CNCPS 6.1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.1	\$ 27.00	
NDF Digestibility	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	NDF Digest.	\$ 24.50	
Select	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Select	\$ 19.00	
Basic	x	x	x						x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Basic	\$ 16.00	
<b>Corn Silage</b>																																	
Complete	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Complete	\$ 27.00
CNCPS 6.5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.5	\$ 27.00	
CNCPS 6.1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.1	\$ 27.00	
NDF Digestibility	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	NDF Digest.	\$ 24.50	
Select	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Select	\$ 19.00	
Basic	x	x	x						x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Basic	\$ 16.00	
<b>Small Grain Silage</b>																																	
Complete	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Complete	\$ 27.00	
CNCPS 6.5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.5	\$ 27.00	
CNCPS 6.1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.1	\$ 27.00	
NDF Digestibility	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	NDF Digest.	\$ 24.50	
Select	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Select	\$ 19.00	
Basic	x	x	x						x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Basic	\$ 16.00	
<b>Corn/Snaplage/Earlage</b>																																	
Complete	x	x	x	x	x				est.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Complete	\$ 27.00	
CNCPS 6.5	x	x	x	x	x				est.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	CNCPS 6.5	\$ 27.00	
Select	x	x	x	x	x				est.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Select	\$ 19.00	
Basic	x	x	x						est.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Basic	\$ 16.00	

\* Est. = Estimated Value

Please submit your questions to: [askthetvet@crystalcreeknatural.com](mailto:askthetvet@crystalcreeknatural.com)