

Forage or Feed Identification Numbers and TDN Equations

Abbreviations used:

TDN	=	Total Digestible Nutrients
CP	=	Crude Protein
ADF	=	Acid Detergent Fiber
NDF	=	Neutral Detergent Fiber
EDP	=	Estimated Digestible Protein (dry matter basis) = 0.836 (%CP, dry matter basis) - 2.65

Category	Species ID No.*	Species	Formulas to Calculate TDN on a Dry Matter Basis (All values expressed on a dry matter basis)
Forages	1.	Alfalfa	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	2.	Alfalfa-grass mixture	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	3.	Bahiagrass	$111.8 + 0.95(\%CP) - 0.36(\%ADF) - 0.7(\%NDF)$
	4.	Bermudagrass	$111.8 + 0.95(\%CP) - 0.36(\%ADF) - 0.7(\%NDF)$
	5.	Bluestems	$111.8 + 0.95(\%CP) - 0.36(\%ADF) - 0.7(\%NDF)$
	6.	Bromegrass	$87.1 - 0.83(\%ADF)$
	7.	Clover	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	8.	Corn silage	$85.5 - 0.75(\%ADF)$
	9.	Dallisgrass	$111.8 + 0.95(\%CP) - 0.36(\%ADF) - 0.7(\%NDF)$
	10.	Fescue	$58.4 + 1.034(\%CP) - 0.42(\%ADF)$
	11.	Johnsongrass	$101.5 - 0.10(\%EDP) - 1.02(\%ADF)$
	12.	Legume-grass mixtures	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	13.	Mixed grass	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	14.	Native Grass or Weeds	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	15.	Oat	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	16.	Orchardgrass	$87.1 - 0.83(\%ADF)$
	17.	Rye	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	18.	Ryegrass	$87.1 - 0.83(\%ADF)$
	19.	Sorghum-Sudangrass	$101.5 - 0.10(\%EDP) - 1.02(\%ADF)$
	20.	Sorghum-Grain type	$109.1 - 1.69(\%ADF)$
	21.	Sorghum-Silage type	$83.4 - 0.83(\%ADF)$
	22.	Soybean	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	23.	Straw of small grain	$71.7 - 0.49(\%ADF)$
	24.	Triticale	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	25.	Wheat	$73.5 + 0.62(\%CP) - 0.71(\%ADF)$
	26.	Matuagrass	$87.1 - 0.83(\%ADF)$
Poultry Litters	**30.	Breeder hen	
	31.	Broiler	
	**32.	Pullet	
	**33.	Turkey	
Others	**35.	Cottonseed	
	**36.	Soybeans	
	**37.	None of the above	
Grains	40.	Corn	$93.5 - 1.03(\%ADF)$
	***41.	Mixed grains	$93.5 - 1.03(\%ADF)$
	42.	Sorghum	$93.5 - 1.03(\%ADF)$
	43.	Wheat, oats, rye	$93.5 - 1.03(\%ADF)$

* Species ID No. matches the Feed # on AGRI-412, Feed Information Sheet. AGRI-412 is the form used to submit samples to the UA Agricultural Service Laboratory, Fayetteville.

** TDN not available for these species.

*** TDN not available or inaccurate if sample contains by-product or high fat feedstuffs.