



MEASURING

NON STRUCTURAL CARBOHYDRATES

PER FEEDING



Sugar and starch content can be extremely important to horse owners. It is recommended by the scientific community and widely accepted that

HORSES SUFFERING FROM METABOLIC DISORDERS

such as Insulin Resistance and Laminitis should be fed a total diet (forage plus concentrate) of

LESS THAN 12% WSC + STARCH

FRUCTANS are a type of carbohydrate found in cool season grasses.

They are formed when several fructose molecules link together, they are resistant to the digestive enzymes in the stomach and small intestine and are fermented in the large intestine.

WSC

Water Soluble Carbohydrates
(ESC + Fructan)

ESC

Ethanol Soluble Carbohydrates
often referred to as "Sugar"

NSC

Non Structural Carbohydrates
(WSC + Starch)



When evaluating diets for carbohydrate sensitive horses it is essential that an analysis of the actual hay being fed be conducted.

LMF Feeds® Low Carb Option	Dietary Starch %	Sugar % (ESC)	Fructan %	NSC % (Starch + Sugar + Fructans)	Feeding Rate lbs/1000lb BW	Actual grams of Starch + Sugar + Fructans Feeding Rate
Super Supplement - A	39.5	2.8	--	42.3	1	192g
Super Supplement - G	19.5	5.5	--	25	1	113g
Gentle Balance	4	6	3	13	3	177g
Low NSC Stage 1	2	6	3	11	5	250g
Low NSC Complete	2	6	3	11	12	599g
Senior Low Carb	2	6	2	10	12	544g

--Fructan content insignificant and not listed as Super Supplement is not a forage based product

Hay Type	Dietary Starch %	Sugar % (ESC)	Fructan %	NSC % (Starch + Sugar + Fructans)	Feeding Rate lbs/1000lb BW	Actual grams of Starch + Sugar + Fructans Feeding Rate
Grass Hay*	1.6	7	4.4	13	15	885g
Alfalfa Hay*	1.5	6.9	2.5	10.9	15	742g

* Hay data is an 18 year average sourced from Equi-Analytical - <https://equi-analytical.com/interactive-common-feed-profile/>