AMINO ACIDS IN HORSES

Amino acids are the

BUILDING BLOCKS OF PROTEIN

and are essential for the growth and health of bones, muscles and soft tissue.







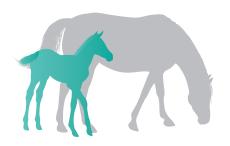
PeptideShort chain of AAs



ProteinLong chain of AAs

The order of AAs will determine the protein's shape and function.

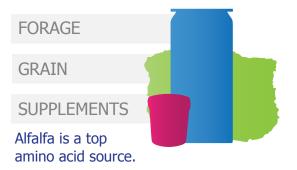
GROWING HORSES NEED MORE AMINO ACIDS.



ESSENTIAL AMINO ACIDS

are the 10 amino acids that are not created in the horse's body and must be supplied via external sources.

EXTERNAL SOURCES:



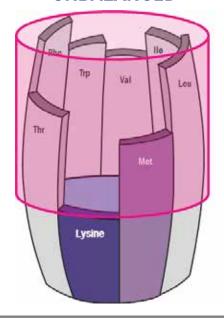
Poulin Grain fortified horse feeds contain added amino acids.

LYSINE
IS THE FIRST KNOWN
LIMITING
AMINO ACID.

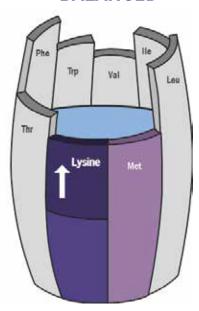
LYSINE IS THE ONLY
AMINO ACID WITH A
REQUIREMENT

therefore it is the only amino acid that provides value when listed on a feed tag (making other amino acid levels irrelevant, especially in the case of Lysine deficiency).

UNBALANCED



BALANCED



UNBALANCED

When lysine is deficient other amino acids cannot be used effectively.

BALANCED

Allows all other amino acids to be used effectively.

Nutritional Expertise Provided by



