Factors That Affect NSC Levels in Hay

NSC = Simple Sugar and Starch aka Nonstructural Carbohydrates

- In order to know the true NSC value of your hay you will have to test it.
- The recommended NSC level in hay for insulin-resistant horses is 10%.
- Multiple cuttings from the same field of grass can yield hay with different levels of NSC.

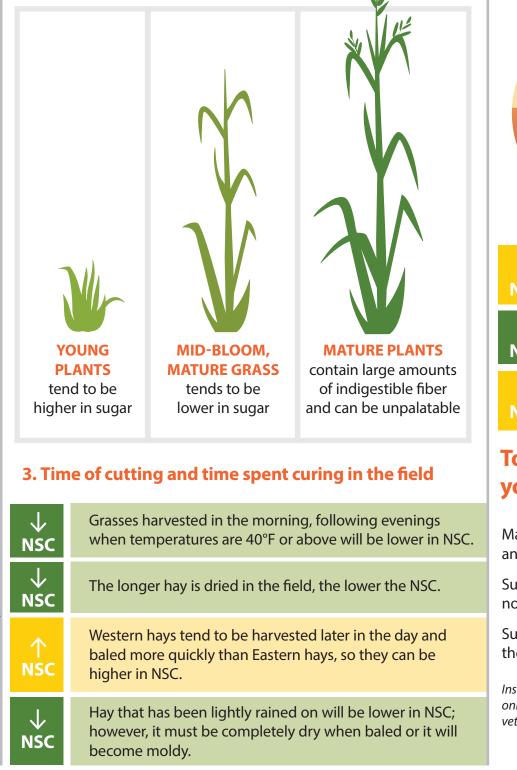
Understanding the factors that affect NSC levels will help you pick hay that is more likely to meet your horse's needs.

1. The type of plant

Cool-season mixed grass: NSC range: 7% to 18 % (average 13%) ESC^{*} (simple sugars): average 7%

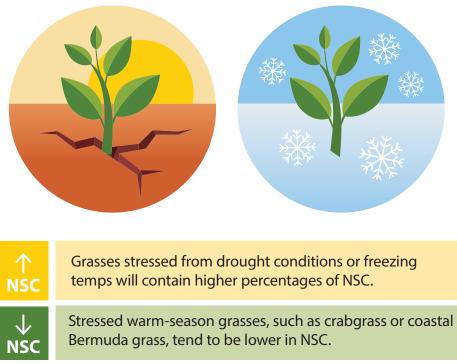
> Warm-season Bermuda grass: NSC range: 9% to 17% (average 13%) ESC (simple sugars): average 6%

Legume (alfalfa and clover): NSC range: 8% to 13% (average 11%) ESC (simple sugars): average 7%



2. Maturity when harvested

4. Environmental conditions during harvest



NSC

Stressed cool-season grasses, such as fescue, orchard grass, and Timothy, tend to be higher in NSC.

To support healthy insulin levels, ask your vet about InsulinWise™

Maintains normal metabolic function and healthy insulin levels.

Supports a healthy body weight and normal fat distribution.

Sustains healthy laminae within the hoof.

InsulinWise is available only through a licensed veterinarian.





info@KPPusa.com KPPusa.com 859-873-2974

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