Grasses associated with calcium and phosphorus deficiencies with Dr Jennifer Stewart

Grasses associated with calcium and phosphorus deficiencies, osteoporosis, osteodystrophia fibrosa (ODF), nutritional secondary hyperparathyroidism (NSH) and 'bighead'

Grasses with an oxalate content greater than 0.5% are hazardous



Buffel grass Cenchrus ciliaris [Poaceae]: 1.8 to 6.5% oxalate



Setaria (pigeon grass) Setaria sphacelata [Poaceae]: 1.37 to 7.8% oxalate

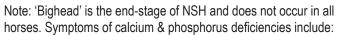


Pangola grass Digitaria eriantha ssp. pentzii (formerly known as Digitaria decumbens)

[Poaceae]: 0.9 to 1.8% oxalate



Guinea grass Panicum maximum [Poaceae]: 0.6 to 2.4% oxalate



- the first symptom is usually lameness, an insidious shifting lameness, general tenderness of the joints & a stiff, stilted gait.
- 2. ill thrift, weight loss & a rough coat may occur, some horses prefer to lie down





Kikuyu Pennisetum clandestinum [Poaceae]: 0.8 to 3.4% oxalate



Para grass Brachiaria mutica (also known as Urochloa mutica & Panicum muticum) [Poaceae]: 0.85 to 1.68% oxalate



Signal grass Brachiaria decumbens [Poaceae]: 0.9 to 1.3% oxalate



Purple pigeon grass Setaria incrassata [Poaceae] 0.67 to 1.9% oxalate

- some horses have muscular weakness & prefer to canter rather than trot
- 4. spontaneous avulsion of ligaments & spontaneous fractures can occur
- 5. pica (dirt eating), chewing problems (due to loosening of the teeth) can occur



Dr Jennifer Stewart - CEO BVSc BSc PhD Dip BEP Equine Veterinarian & Consultant Nutritionist
Dr Jen Stewart has been an equine veterinarian for more than 40 years & an equine nutritionist for more than 10 years. Jen has been developing premium formulas for studs, trainers & feed companies in Australia & around

the world & regularly consults to leading international studs & trainers in various countries. Jen has spent a fair bit of time researching & being involved in nutritional management of developmental orthopedic diseases, colic, tying-up, laminitis, performance problems, post-surgery & other conditions. & is currently the only practicing equine veterinarian & clinical nutritionist in Australia.

Jen's promise is to continue to BRING SCIENCE TO YOUR FEED BIN www.jenquine.com info@jenquine.com

