Crucible Social Media Call Out

Question 2 What do you think are the main risk factors for grass sickness?

Figure 1 Hierarchy sunburst showing frequency overview Chart Showing Frequency of Responses to the Question "What do you think are the main risk factors for grass sickness?"

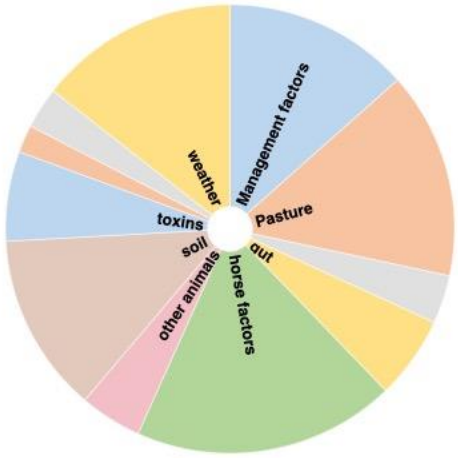

Figure 2: Chart Showing Overview Frequency of Responses to the Question "What do you think are the main risk factors for grass sickness?"

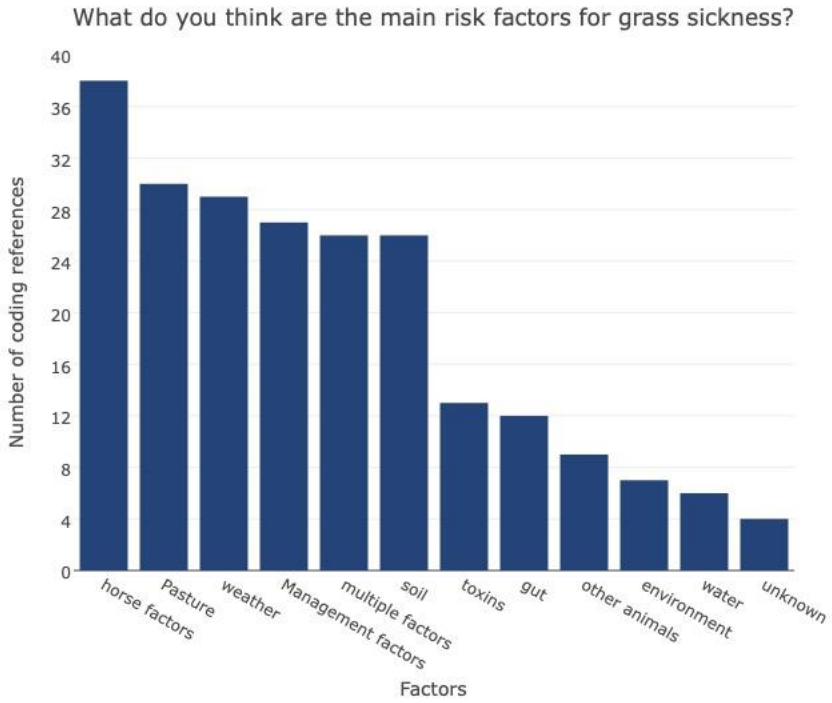

Figure 3. Word Cloud showing frequency of words used by respondents to the question "What do you think are the main risk factors for grass sickness?"

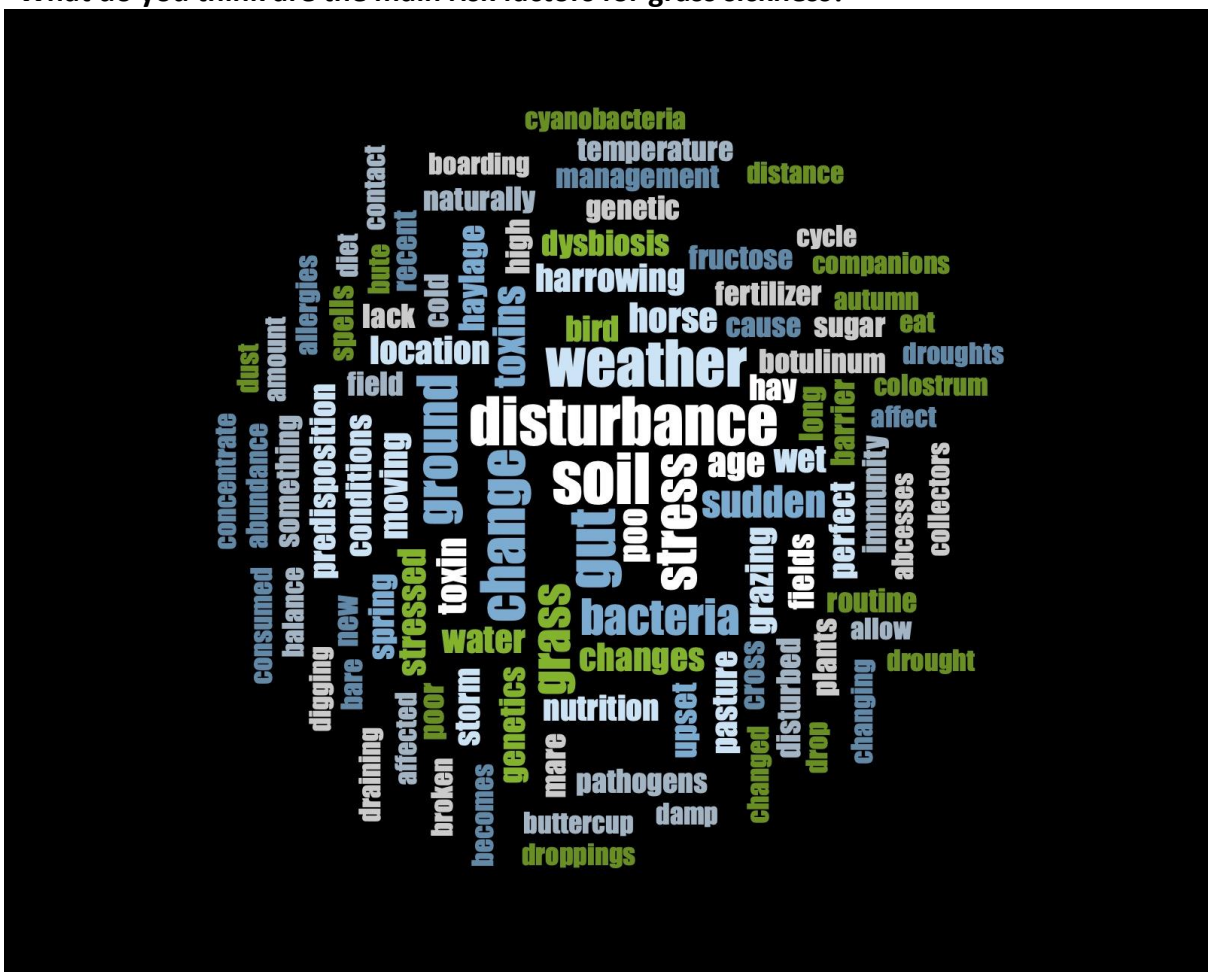

Table of Codes for Question: 2 "What do you think are the main risk factors for grass sickness?"

Codes (some factors appear in more than one code)

Code	Factor	Response	Frequency (n)
1	Pasture	Overgrazed waterlogged pasture grass affected before changes grass stressed grass change grazing bare soily grazing damp grazing lack of forage/hay/haylage naturally eat plants cause dysbiosis gut rich spring sugar levels naturally occurring fructose high fructose pasture length grass species grasses moving grazing grass hay source amount consumed grass varieties stressed grass 24 hour turnout Buttercup Change field Pasture related Change of paddock Toxins wet grass Moving fields Turn out longer quickly	
2	Weather	Microbiome Long-spells cold wet Following milder temperatures Sudden drop temperature Weather Drought Frost Rained heavily Seasonal conditions Sudden cold weather frosts Sudden warm wet spells Droughts Weather change Weather change Time year Spring	

		Autumn Weather Temperature fluctuations Fluctuating weather conditions weather conditions heating up in spring change in weather sudden changes in weather rainfall weather weather changes weather weather	
3	horse	Stress Stressed horse Gain immunity Age Familial Stress Genetics Stress Genetics Underlying illness Recovering surgery Stress Inward stress Genetics No previous contact potential toxin Stressed horse Genetic predisposition Allow toxin take hold Something horse triggered Stress Liver function Age Stress Age Stress Stress Stress Age Genetic predisposition Immunity Predisposition Stress Young Low immune system Worms Abcesses Allergies age	
4	multiple	Multiple	

		Multiple multiple	
5	management	Change in diet Change in routine Moving horse property Land management Nutrition Pregnant mare nutrition Lactating mare nutrition Bute Fertilizer Changed boarding Change Concentrate intake recent change management hay haylage made stored change change friends location horses new yard Ivermectin Harrowing fields Harrowing Mobile poo collectors Moving yards Changing losing field companions Long distance travel High sugar processed feed Sudden switch routine Perivian guano fertilizer weedkillers	

6	Toxins	Toxin becomes present Pathogens replicate Pathogens release toxins Toxins cross gut barrier Botulinum bacteria in soil Botulinum bacteria haylage Cyanobacteria Sudden change life cycle bacteria Affect toxins broken down Increased abundance bacteria toxin Toxin Toxins wet grass Disturbance bacteria	
7	gut	Lack good bacteria hind gut Dysbiosis gut bacteria Toxins cross gut barrier Upset gut microflora No gut support Plants cause dysbiosis gut Imbalance gut Gut flora Poor gut balance Gut microbe upset Upset gut bacteria colostrum	
8	Environment	Environment Geography Location Location Location Reeds New rail line	
9	Other animals	Hens roaming Mole hills Bird droppings Bird sanctuary Rabbit poo Hare poo Pigeon poo Green parakeets Bird pooed water trough	
10	soil	Marshy Recent ground disturbance Ground disturbance Changes ground Something ground gets into horse Soggy poor draining soil Sheltered soil Soil disturbance Soil disturbance Soil disturbance Soil disturbance	

		Soil disturbance Soil disturbance Soil disturbance Soil disturbance Digging Disturbed ground Dust Disturbance Soil disturbance Harrowing Harrowing fields Soil ground disturbance Disturbed ground Type of soil Mechanical upheaval soil	
11	water	Stagnant water Standing water Saturated ground Wetter ground Ground water run off Underground springs	
12	unknown	Totally puzzled Perfect storm Perfect storm Perfect storm	