Program: <u>NECC 1200 Equine Gastrointestinal Health</u> Logic Model

Situation: GI health is central to many of the diseases and disorders in horses today. Horses are becoming an increasingly important agricultural commodity in this country, particularly the Northeast US. Horse owners spend millions of dollars in horse health support to help treat and/or prevent some of these diseases, however, very few of the horse owners are educated in this topic area. However, they desire increased athletic performance, quality longevity of their horses lives, and better well-being overall.

Inputs	Outputs		Outcomes Impact		
	Activities	Participation	Short (0-5 yrs)	Medium (5-10 yrs)	Long (10-20+)
 Scientists at partner institutions Facilities at multi-state universities Funding (federal, state, county, private, foundation, corporate) Horses (public and private) Professional partners (AAEP, AVMA, ACVIM, NAHMS, ACVS, etc) 	 Survey to address GI health problems in horses Basic, applied and clinical research Scientific Conferences Train students to be more aware of preventative measures for GI problems Produce webinars and other web-based information outlets Seminars to educate veterinarians, horse owners and equine professionals Presence on eXtension Serve on decision making boards Produce both professional and lay publications Network with industry 	 Students Horse owners Veterinarians Other horse professionals Educators Feed companies Insurance companies Legislators and policy makers NGO's Other species and human applications 	 Survey tool Survey results Pilot studies Basic science studies Research findings (changes in dietary and management practices) 	 Utilize research findings and adopt practices (vets, feed companies, horse owners) Clinical studies Applied studies Find marker to assess gut health 	 Clinical studies Applied studies Decrease incidence of colic/ulcers (based on veterinary hospita insurance company and NAHMS data) Implement changes i horse management practices Increase quality of long term life, longevity and well- being of horses Increase athletic performance and length of performance in horses
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Assumptions Horse owners are not sufficiently knowledgeable about horse GI health. This project will possess a battery of problem-solving scientists focused on equine GI health and wellness.			External Factors Equine users and owners spend millions of dollars on horse GI health products with little documentation of scientific merit. The equine population is increasing in age and people have discretionary income to spend on horses.		