

Livestock Diversity



Eggmobile



Broilermobile



Sheep



Poor Soil Health



Symptom-Lack of Diversity



Mob Grazing: The Power of Stock Density



Small Paddocks





The Enjoyable Way to Move Cattle



Tamegrass/Legume Following Mob



3 days after mob



1 month after mob



55 days after mob



Litter (Armor) & New Seedlings



Enhanced Diversity



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Symptom: Grazing Exclusion



Solving the Problem: Animal Impact



After Animal Impact



1 month later



Plant Vigor Enhanced



Fly control



Cowbirds



Dung Beetles



Dung beetles - Dwellers

Aphodius
fossor



Aphodius
distinctus



Aphodius
Fimetarius



Aphodius
Erraticus



Dung Beetles – Tunnelers & Rollers

Onthophagus
hecate



Car
pilu



Onthophagus
Bolboce
nuchicornis



bruneri



Dung Beetles – Other Dwellers

Hydrophilid Beetle



Silphid Beetle

Heterosilpha ramosa



Darkling Beetle



The Next Generation



Predators

Hister beetles



Rove beetles
(*Ontholestes cingulatus*)

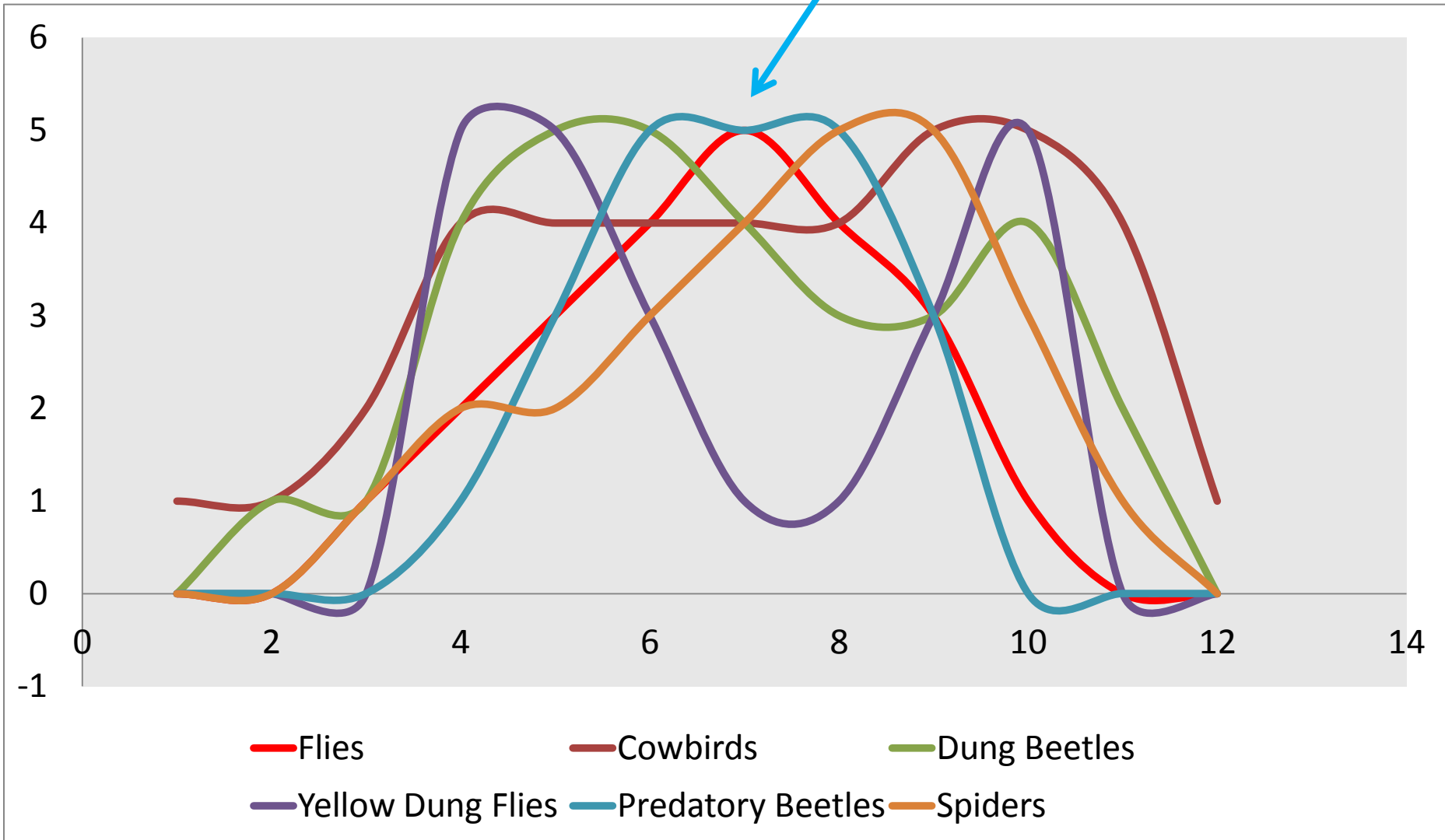


Velvet Mites and Blister Beetles



Population Observations

Grazing Flexibility





Problem Solved



Yellow Dung Flies (Predators)



Natural Predators: Orb weavers



Orb Weaver



Winter Calving



Calving on Winter Triticale/Hairy Vetch

- In Sync with Nature



Calving in Larger Paddocks



Fresh Calving Ground



The Joy of Calving in Sync With Nature



Healthy!



Holistically Healthy!



It's All About Soil Health!



Cicer Milkvetch Vigor Enhanced



Following Years Growth After Mob Grazing



20 Years of CRP = Lack of Diversity (Symptom)



Noxious weeds: 20 years of no animal impact (Symptom)



Prior to Grazing



Tool: High Stock Density







Solving the
problem



Year 1: after grazing





Year 2: before grazing

Year 3: after grazing

- Increased diversity



Increase in legumes



Tame Grass/Legume Grazing System



Combine



Options



Planting Into Live Cover Crop



Uniform Emergence



Corn – Hairy Vetch



Vetch supplied corn with N and is now
supplying the cattle with protein.



Winter Grazing



Animals need to fit the environment



Corn/Hairy Vetch: Year 2



Cowpea/Proso Millet/Buckwheat



Ward Laboratories Inc

Recommendations by

Jill Clapperton PhD

Measuring Success

