

AMS Update:

Ag Workgroup, June 17, 2015

- Recommendation for riparian pasture and exclusion fencing
- Approach for barnyard loading rates
- Preparing to review preliminary Phase 6 model output based on new ag land uses, nutrient spread, input data, and other subcommittee recommendations

Riparian Pasture Recommendation

- Recommendation developed by subgroup headed by Bill Keeling
- In Version 5:
 - Trampled Riparian Pasture (TRP) was a separate land use for areas near streams denuded by livestock traffic.
 - Installation of exclusion fencing caused land use change to hay without nutrients, grassed riparian buffer, or forested buffer
 - Extent of TRP not readily determined by remote sensing, estimate of land area varied by state

Riparian Pasture Recommendation

- Recommendation for Version 6:
 - Eliminate TRP as separate land use
 - Provide primary credit for livestock exclusion based on moving direct deposition for stream to upland pasture
 - Mechanism for reallocation on deposition has been worked out with Model Team and will be included in Phase 6 Model test runs
 - Apply additional land conversion benefits if exclusion area meets buffer criteria

Estimating loads from Animal Feeding Operations and Farmsteads

- Determination of acreage for these land uses difficult
- Recommend using reported livestock/poultry numbers to estimate loading rates considered
- But concern that acreage is needed to determine sediment load
- Hybrid approach proposed for Version 6
 - Nutrient loading: Nutrient loading from NASS animal numbers, ASABE numbers for nutrient concentrations per animal unit, and NRCS factors for storage and handling loss factors
 - Sediment loading: Land area per animal unit estimated from FASS report
- Values for specific factors will be updated and revised as model version development continues.