

Chesapeake Bay Program Draft Agricultural Land Use Proposal for Phase 6 Modeling

January 10, 2013

Proposed Agricultural Land Uses

Impervious Farmstead

- All Impervious Surfaces

The AFO/CAFO land uses would be replaced by both impervious and pervious farmstead.

Pervious Farmstead

- Animal Pervious Farmstead
- Non-Animal Pervious Farmstead

Animals would be divided onto the farmstead based upon AFO and CAFO numbers. The impervious and pervious farmstead data could be provided by USGS. The fractions of farmstead area classified as impervious, animal pervious and non-animal pervious would be defined by animal species by the Agriculture Workgroup.

Nursery

- Container
- Field grown
- Greenhouse

Cropland

- All Row Crops

Hayland

- Grass
- Legumes

The alfalfa land use would be combined with Hayland as a subgroup.

Orchard

- All Fruits and Berries

Vegetable

- All Vegetables

Agro-Forestry

- All Agro-Forestry

Sod

- All Commercial Sod Production

Pasture

The separate degraded riparian pasture land use would be eliminated. Instead, manure will be placed on pasture at an equal rate across all the acres in the land-river segment. BMPs that are specific to riparian areas would have upland benefits and/or land use conversions.

Idle/Fallow

- Mixed Open

Base Land Use Assumptions

The current land use divisions of non-nutrient and nutrient management, tillage management, and availability for organic versus inorganic nutrient applications, would be represented as management BMPs imposed on the above land uses instead of distinctive land uses. The base land use conditions would reflect where applicable non-nutrient management and conventional tillage. All land uses would be available for both organic and inorganic nutrient applications.