

Strawman Methods for SB Landuse and Crop Delineations

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Corn for grain makes the **corn grain/fallow** landuse.

Corn for silage makes up the **corn silage/fallow** landuse.

Soybeans/small grains: Small grains like wheat, oats and barley are winter crops, even when they're not grown as cover. Therefore, it is assumed these acres are double cropped with beans following a corn crop.

Soybean/fallow: all acres of soybeans that exceed the acres of small grains.

Corn for grain/small grains: Small grains can also be double-cropped with corn. Therefore, all acres of small grains that exceed acres of soybeans are assumed to be double cropped with Corn for grain.

Corn for silage/small grains: All acres of small grains that exceed acres of soybeans AND acres of corn for grain are assumed to be double cropped with Corn for silage.

Small grains: All acres of small grains that exceed the acres of soybeans AND acres of corn for grain AND acres of Corn for silage are assumed to be grown as stand-alone crops.

Fallow acres of all types make up the fallow landuse.

Pasture land acres makes up the pasture landuse.

Alfalfa crops make up the alfalfa hay landuse.

All **Other Hay** crop types, whether managed for cut hay or seed (e.g. birdsfoot trefoil), make up the hay landuse.

Vegetable crops are those with the majority of dry weight above ground being harvested (e.g. cantaloupe), as opposed to,

Other Commodity crops where the dry weight of the harvest is mostly below ground (e.g. dry onions) or the harvest above ground is smaller than the stover (e.g. popcorn).

Covered Nursery is an impervious landuse under which a crop is grown that is intensively managed.

Uncovered Nursery is a pervious landuse on which a potted or in-ground crop is managed.

Specialty High Management is a landuse for crops that are neither commodity, nursery, nor vegetable crops that are intensively managed.

Specialty Low Management is a landuse for crops that are neither commodity, nursery, nor vegetable crops that are passively managed.

Discussion questions:

How prevalent is stover bailing of corn grain cropping? Can this be tracked? Should it be modeled separately or as corn silage?

How should cover crops be modeled in landuse? Are cover crops captured in ag census? Does a corn/small grain landuse have a small grain harvest?

Can we better delineate vegetable and other commodity crops with respect to nutrient application intensity and soil cover?

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