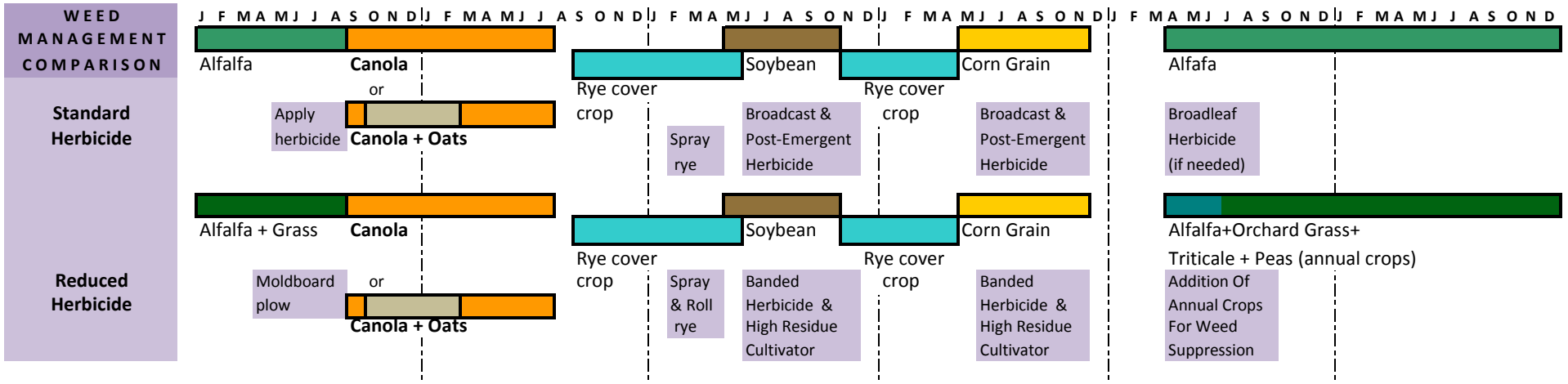
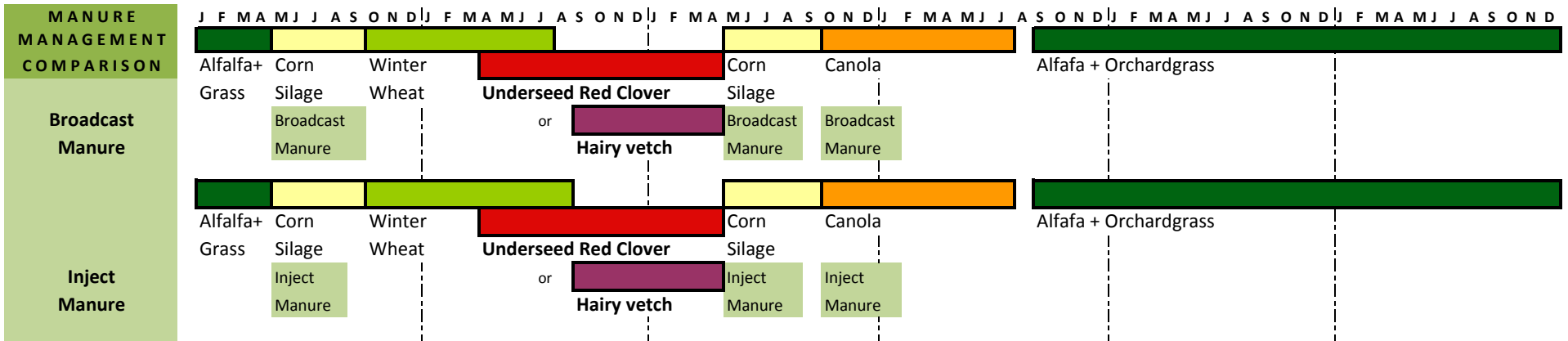


Fig. 1: PENN STATE SUSTAINABLE DAIRY CROPPING SYSTEMS (All systems are no-till, except in one year in the 'Reduced Herbicide Grain Rotation')

GRAIN ROTATION: weed management, canola mycorrhizae management comparison, inject manure regime for canola and corn grain, & IPM for insect pests



FORAGE ROTATION: manure management, green manure species comparison, standard herbicide regime, & IPM for insect pests



CORN-SOY GRAIN CONVENTIONAL ROTATION: manure, standard herbicides, prophylactic insecticides, and Bt corn

