Supplemental Fig. S1. The percent of total pixels from original raster USDA-National Agricultural Statistics Service Cropland Data Layers (2008-2012) that were correctly classified as either alfalfa (top) or grassland/pasture/other hay (bottom). User’s accuracies and commission error rates were used to determine when to convert ‘grass’ to ‘alfalfa’ for the adjusted vector method described in the text. Columns represent 2009 to 2012 in order from left to right within each grouping.
Supplemental Fig. S2. The percent of total area where alfalfa phase length (shading represents the number of years) could be determined from USDA-National Agricultural Statistics Service Cropland Data Layers (2006-2012), and the first-crop, second-crop, and specific first- and second-crop sequences grown following alfalfa termination by state for two different selection methods described in the text (i.e., generalized and adjusted vectors). Abbreviations: [corn (C), soybean (S), small grains (G), alfalfa (A), and secondary sequences of these and other minor crops]. Differences in categorization between selection methods within states according to chi-squared tests were denoted with *, ***, ns for $P \leq 0.05$, $\leq 0.001$, $>0.05$, respectively.
Supplemental Fig. S3. Geographic location of polygons where alfalfa phase length (2 to ≥7 yr) could be determined from the generalized vector (top) and adjusted vector (bottom) USDA-National Agricultural Statistics Service Cropland Data Layers (2006-2012). Polygon borders are enlarged to enhance visibility.
Supplemental Fig. S4. Soil texture class for polygons where alfalfa phase length or following crops could be determined from the adjusted vector (described in text) USDA-National Agricultural Statistics Service Cropland Data Layers (2006-2012). Polygon borders are enlarged to enhance visibility.
Supplemental Fig. S5. Five-year (2008-2012) footprint of corn, soybean, small grains, and minor crops grown as the first crop following alfalfa termination determined from the adjusted vector (described in text) USDA-National Agricultural Statistics Service Cropland Data Layers (2006-2012). Polygon borders are enlarged to enhance visibility.
Supplemental Fig. S6. Four-year (2009-2012) footprint of corn, soybean, small grains, minor crops, and alfalfa grown as the second crop following alfalfa termination determined from the adjusted vector (described in text) USDA-National Agricultural Statistics Service Cropland Data Layers (2006-2012). Polygon borders are enlarged to enhance visibility.