

<b>Subregion and Farm Number</b>	<b>Cover Crop Mixture</b>	<b>Rationale*</b>
<b>Annual Cropping</b>		
AC #1	red clover, alfalfa, (no termination in third year but seed into it)	N amendment, weed suppression, increase organic matter (OM), prevent soil erosion
AC #2	spring barley, ladino white clover, purple turnip, white mustard, daikon radish, alsike clover	N amendment, weed suppression, increase OM, quick establishment, promote soil microbial growth, easy termination, diversity (7 species)
AC #3	forage triticale, forage barley, oats, peas, sunflowers; terminate with grazing (fencing in cows).	N amendment, weed suppression, increase OM, nutrient cycling benefit, generate additional income from grazing
AC #4	winter triticale, winter canola mix of cool season species all planted in spring; follow-on grazing	weed suppression, generate additional income from grazing
<b>Annual Crop-Fallow</b>		
AC-F #1	tillage radish, turnips, grass (barley or oats)	bio-drilling (radish), quick establishment after a spring crop, root mass size (barley), observed association with earthworms (turnips)
AC-F #2	tillage radish	bio-drilling
AC-F #3	tillage radish, lentils, sunflower, turnip	N amendment (lentil - early nodulation), bio-drilling (radish); canopy coverage (turnip)
AC-F #4	peas, radishes, turnips, canola, oats	N amendment (peas), bio-drilling (radish and turnip), conserve moisture until bolting, diversity (5 species).