



SQL05 - Montana Supplement – REVISED 2/22/11

Use of Deep Rooted Crops to Break Up Soil Compaction – (Soil Quality Enhancement Activity)

Montana Clarification

This enhancement is for the use of deep rooted crops to break up compacted soils and improve soil quality. Some distinctions of SQL05 over SQL02 and SQL04 are:

- SQL05 planting mixes cannot be used as credit for SQL02 or SQL04 on the same land;
- This enhancement can be planted between crops in the fallow year;
- SQL05 could be planted and grown from spring to fall while awaiting winter wheat planting in the fall;
- SQL05 does not require that the crops planted after removal be no-tilled;
- SQL05 does allow single species planting but diversity of species is recommended;
- Grazing or removal of cover crop residues is not allowed.

Montana Specifications

Approved Deep Rooted Crops in Montana:

1. Alfalfa
2. Radish, Forage or Daikon
3. Turnip
4. Safflower
5. Sunflower

Incompatible Enhancements

This enhancement may not be contracted with the following enhancements:

ANM02, ANM12, ANM21, ANM22, SOE02, SQL03

Eligible Land

Cropland

Applicable Amount

Acres of cropland

Example (System)

The applicable acres are any cropland. If a participant farms 400 acres and already incorporates radishes and/or sunflowers in a 150 acre field; the applicable acres would be 400 acres. If the participant chooses to now incorporate radishes into the remaining fields beginning in year 3, the contract would look like the following:

	Year 1	Year 2	Year 3	Year 4	Year 5
SQL05	0	0	250 ac	250 ac	250 ac

Documentation Requirements

1. Written documentation for each year of this enhancement describing these items:
 - a. Deep rooted crops used, date planted **and seeding rates of all species**.
 - b. Cash crop planted, method used and seeding rates of all species.
2. A map showing fields **and acres** where the enhancement is applied.
3. Photographs of a representative number of fields showing deep rooted crops.

I acknowledge that I have read and understand all that is required for the implementation of this CSP Enhancement Activity.

Contract participant

Date