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CCX Offsets Advisory- Expansion of Eligible Enrollment Area for Exchange Soil Offsets

CCX has recently expanded the eligible territory for enrollment of Exchange Soil Offsets from conservation tillage practices. Projects involving specified agricultural soil carbon sequestration activities in designated states, counties, provinces and parishes in the U.S. and Canada shall be eligible to earn CCX Exchange Soil Offsets (XSOs) as per the rates provided for various regions described below.

Eligible conservation tillage practices vary by region and are broadly outlined by zones in the sections below. Practices and implements not found below may be considered by CCX on case by case basis. CCX eligible practices generally follow the NRCS guidelines for conservation tillage¹. While ridge till is included under the definition of conservation tillage provided by NRCS, it will not be eligible for Exchange Soil Offsets. As a general rule the tillage practice must leave at least two-thirds of the soil surface undisturbed with at least two-thirds of the residue remaining on the field surface.

Zone A:

States and counties included in Zone A are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.6 metric tons per acre per year to land managers who commit to continuous conservation tillage for years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Continuous cotton, soybeans and pulse crops (i.e. beans, peas, lintels, etc.) are eligible only if there is a cover crop;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors, anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;
- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- Histosol soils in Land Resource Region T are not eligible;
- In general if the implement would require that a leveling or smoothing activity follows, it would likely result in too much soil disturbance
- Fallowed acres are not eligible in this region;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

¹ For CCX purposes Conservation Tillage is as defined in the Natural Resources Conservation Service National Handbook of Conservation Practices. These definitions are: No-till/Strip-till - Managing the amount, orientation, and distribution of crop and other plant residue on the surface year-round while growing crops in narrow slots or tilled or residue-free strips in soil previously untilled by full width inversion implement.

Zone B:

States and counties included in Zone B are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.4 metric tons per acre per year to land managers who commit to continuous conservation tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- For the North Dakota portion of Zone B, adherence to the cropping and implementation guidelines outlined below should at a minimum be reflective of management practices resulting in a Soil Tillage Intensity Rating (STIR) of 20 or less and a Soil Conditioning Index (SCI) of 0.3 or greater (USDA-NRCS North Dakota Conservation Practice Standard 329, September 2005);
- Continuous soybeans or pulse crops (i.e. beans, peas, or lintels) are eligible only if there is a cover crop;
- Irrigated acreage in LRR G of Zone B (LRR G counties provided in appendix) is eligible for enrollment provided that the acreage began irrigation in crop years prior to the date of this advisory. Exchange Soil Offsets will be issued to eligible irrigated acres at a rate of 0.6 metric tons per acre per year;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors, anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;
- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- In general if the implement would require that a leveling or smoothing activity follow, it would likely result in too much soil disturbance;
- Fallowed acres are not eligible in this region;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

Zone C:

States and counties included in Zone C are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.32 metric tons per acre per year to land managers who commit to continuous conservation tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Continuous soybeans or pulse crops (i.e. beans, peas, or lintels) are eligible only if there is a cover crop;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors, anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;
- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- In general if the implement would require that a leveling or smoothing activity follow, it would likely result in too much soil disturbance;

- Chemical fallowed acres in Major Land Resource Areas (MLRA) 52, 53A, and 54 (county listings provided in appendix) are eligible in this region but will not receive Exchange Soil Offsets for the years in which fallow takes place. Non-fallow years will receive Exchange Soil Offsets at a rate of 0.32 metric tons per acre per year;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

Zone D:

States and counties included in Zone D are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.2 metric tons per acre per year to land managers who commit to continuous conservation tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Irrigated acreage in LRRs H and G of Zone D (LRR H and LRR G counties provided in appendix) is eligible for enrollment provided that the acreage began irrigation in crop years prior to the date of this advisory. Exchange Soil Offsets will be issued to eligible irrigated acres at a rate of 0.6 metric tons per acre per year;
- Continuous cotton, soybeans or pulse crops (i.e. beans, peas, or lentils) are eligible only if there is a cover crop;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors, anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;
- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- In general if the implement would require that a leveling or smoothing activity follow, it would likely result in too much soil disturbance;
- Fallowed acres are not eligible in this region;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

Zone E:

States and counties included in Zone E are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.4 metric tons per acre per year to land managers who commit to continuous conservation tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Irrigated acreage in LRR H of Zone E (counties provided in appendix) is eligible for enrollment provided that the acreage began irrigation in crop years prior to the date of this advisory. Exchange Soil Offsets will be issued to eligible irrigated acres at a rate of 0.6 metric tons per acre per year;
- Continuous cotton, soybeans or pulse crops (i.e. beans, peas, or lentils) are eligible only if there is a cover crop;

- Histosol soils in Land Resource Region T (counties provided in appendix) are not eligible;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors, anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;
- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- In general if the implement would require that a leveling or smoothing activity follow, it would likely result in too much soil disturbance;
- Fallowed acres are not eligible in this region;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

Zone F:

States and counties included in Zone F are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.2 metric tons per acre per year to land managers who commit to continuous conservation tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Continuous cotton, soybeans or pulse crops (i.e. beans, peas, or lintels) are eligible only if there is a cover crop;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors, anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;
- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- In general if the implement would require that a leveling or smoothing activity follow, it would likely result in too much soil disturbance;
- Fallowed acres are not eligible in this region;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

Zone G:

States and counties included in Zone G are provided in the appendix below. Exchange Soil Offsets will be earned at a rate of 0.4 metric tons per acre per year to land managers who commit to continuous conservation tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Continuous cotton, soybeans or pulse crops (i.e. beans, peas, or lintels) are eligible only if there is a cover crop;
- Eligible implements include but are not limited to: no-till drill, no-till and strip-till planters, rolling harrows, low disturbance liquid manure injectors,

anhydrous ammonia applicator, manure knife applicator, sub-soil ripper with at least 24 inch shank spacing;

- Ineligible implements include but are not limited to: field cultivators, tandem disk, offset disk, chisel plow, moldboard plow;
- In general if the implement would require that a leveling or smoothing activity follow, it would likely result in too much soil disturbance;
- Fallowed acres are not eligible in this region;
- No Exchange Soil Offsets will be issued in years in which residue removal and/or burning occurs.

Zone H:

Canadian provinces included in Zone H are Manitoba, Saskatchewan and Alberta. Rural municipalities having black and gray soils are eligible to earn Exchange Soil Offsets at a rate of 0.4 metric tons per acre per year to land managers who commit to continuous zero or no-tillage for all of the years 2006 through 2010 on acres specified upon project registration. Rural municipalities having brown and dark brown soils are eligible to earn Exchange Soil Offsets at a rate of 0.2 metric tons per acre per year to land managers who commit to continuous zero or no-tillage for all of the years 2006 through 2010 on acres specified upon project registration. General eligibility criteria and practices for the region include but are not limited to the following:

- Seeding must take place via direct seeding into standing stubble using a narrow opener, with not more than 1/3 of the seedbed disturbed. For example, a three inch opener on a nine inch row spacing, or a four inch opener on a 12 inch row spacing;
- Chemical fallowed acres in Canada are eligible in this region but will not receive Exchange Soil Offsets for the years in which fallow takes place;
- Tillage fallow is not permitted;
- Exchange Soil Offsets will not be issued to enrolled acreage in the years in which a flax crop is grown;
- Secondary fertilizer application is permitted during crop growth provided it is applied with a narrow opener or via broadcast or surface banding methods;
- Deep banding is permitted provided that the implement does not result in heavy soil disturbance including leveling or smoothing the soil after application. For example, a maximum of a 1.5 inch knife on nine inch spacing, or a two inch opener on 12 in spacing is acceptable;
- Liquid manure injectors are permitted provided that the implement does not result in heavy soil disturbance including leveling or smoothing the soil after application;
- For years in which residue burning and/or removal occurs no credit will be issued on the affected acreage. This includes chaff removal, straw removal/bailing.
- Cultivation of any kind is prohibited;
- Heavy harrowing including a Phoenix harrow is not permitted.

Evidence of Alternative Soil Carbon Accumulation Rates

An Owner of an Exchange Soil Offset Project may be issued additional XSOs if it presents evidence that actual increases in soil carbon exceed the rates stipulated above, provided such evidence is deemed acceptable by the Committee on Offsets.

Soil Carbon Reserve Pool

Each CCX XSO Project shall be required to place 20% of the Offsets it earns into a CCX Soil Carbon Reserve Pool. Such XSOs shall remain the property of the Project Owner(s) (pool participants in the case of aggregated Projects) and all XSOs that remain in the Soil Carbon Reserve Pool shall be released to Project Owners near the end of the contract period. In the event that a Project Owner does not conform to the XSO performance requirements listed above, such event shall be promptly reported to CCX (such reporting shall occur through a Project's Aggregator if the Project is registered through an Aggregator). CCX will then cancel XSOs held in the Soil Carbon Reserve Pool in an amount equal to the quantity of XSOs previously issued to the Project.

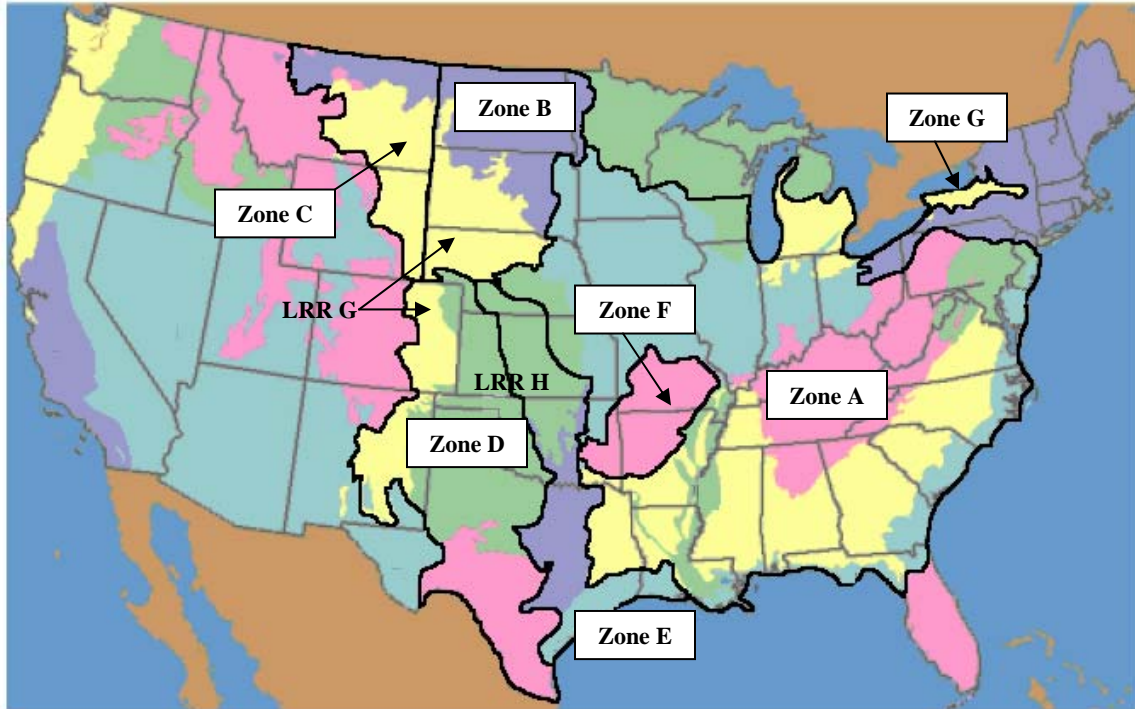
Project Owners will be responsible for replenishing the Soil Carbon Reserve Pool by replacing the XSOs that are cancelled in instances of Project non-performance. Each previously issued XSO must be replaced with one CCX Exchange Allowance or Exchange Offset.

In the case of noncompliance with the terms and conditions for CCX Exchange Soil Offsets the owner of the noncompliant Project shall transfer to the Soil Carbon Reserve Pool (as specified below) a quantity of CCX Exchange Offsets and/or Exchange Allowances that is equal to the total quantity of XSOs that have been issued to the Project during the years for which the contract was enrolled. The Owner of the non-performing Project shall be prohibited from further participation in CCX.

Verification

Verifier entities designated by CCX shall conduct in-field inspections of enrolled XSO Projects. Such inspections shall examine field conditions, documentation of Project start dates (when applicable) and other records as specified by CCX.

CCX Exchange Soil Carbon Offsets Eligible Soil Zones for Conservation Tillage



Source: USDA NRCS Land Resource Region Map

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Entire State	Arkansas	Florida
Alabama	Arkansas	Baker
Delaware	Ashley	Bay
Georgia	Bradley	Bradford
Illinois	Calhoun	Calhoun
Indiana	Chicot	Clay
Iowa	Clark	Columbia
Kentucky	Clay	Dixie
Maryland	Cleveland	Duval
Mississippi	Columbia	Escambia
North Carolina	Craighead	Franklin
South Carolina	Crittenden	Gadsden
Tennessee	Cross	Gilchrist
Virginia	Dallas	Gulf
West Virginia	Desha	Hamilton
	Drew	Holmes
	Grant	Jackson
	Greene	Jefferson
	Hempstead	Lafayette
	Howard	Leon
	Jackson	Levy
	Jefferson	Liberty
	Lafayette	Madison
	Lawrence	Nassau
	Lee	Okaloosa
	Lincoln	Santa Rosa
	Little River	Suwannee
	Lonoke	Taylor
	Miller	Union
	Mississippi	Wakulla
	Monroe	Walton
	Nevada	Washington
	Ouachita	
	Phillips	
	Poinsett	
	Prairie	
	Pulaski	
	Sevier	
	St. Francis	
	Union	
	Woodruff	

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Kansas	Kansas	Louisiana
Allen	Riley	Ascension
Anderson	Saline	Assumption
Atchison	Sedgwick	Avoyelles
Bourbon	Shawnee	Beauregard
Brown	Wabaunsee	Bienville
Butler	Washington	Bossier
Chase	Wilson	Caddo
Chautauqua	Woodson	Caldwell
Cherokee	Wyandotte	Catahoula
Clay		Claiborne
Cloud		Concordia
Coffey		De Soto
Cowley		East Baton Rouge
Crawford		East Carroll
Dickinson		East Feliciana
Doniphan		Franklin
Douglas		Grant
Elk		Iberia
Ellsworth		Iberville
Franklin		Jackson
Geary		Jefferson
Greenwood		La Salle
Harvey		Lafayette
Jackson		Lincoln
Jefferson		Livingston
Johnson		Madison
Labette		Morehouse
Leavenworth		Natchitoches
Lincoln		Orleans
Linn		Ouachita
Lyon		Pointe Coupee
Marion		Rapides
Marshall		Red River
McPherson		Richland
Miami		Sabine
Montgomery		St. Charles
Morris		St. Helena
Nemaha		St. James
Neosho		St. John the Baptist
Osage		St. Landry
Ottawa		St. Martin
Pottawatomie		St. Mary
Republic		St. Tammany
Rice		Tangipahoa

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Louisiana	Michigan	Minnesota
Tensas	Allegan	Big Stone
Union	Barry	Blue Earth
Vernon	Bay	Brown
Washington	Benzie	Carver
Webster	Berrien	Chippewa
West Baton Rouge	Branch	Cottonwood
West Carroll	Calhoun	Dakota
West Feliciana	Cass	Dodge
Winn	Clinton	Douglas
	Eaton	Faribault
	Genesee	Fillmore
	Gratiot	Freeborn
	Hillsdale	Goodhue
	Huron	Grant
	Ingham	Hennepin
	Ionia	Houston
	Isabella	Jackson
	Jackson	Kandiyohi
	Kalamazoo	Lac qui Parle
	Kent	Le Sueur
	Lapeer	Lincoln
	Lenawee	Lyon
	Livingston	Martin
	Macomb	McLeod
	Manistee	Meeker
	Mason	Mower
	Mecosta	Murray
	Midland	Nicollet
	Monroe	Nobles
	Montcalm	Olmsted
	Muskegon	Pipestone
	Newaygo	Pope
	Oakland	Redwood
	Oceana	Renville
	Ottawa	Rice
	Saginaw	Rock
	Sanilac	Scott
	Shiawassee	Sibley
	St. Clair	Steele
	St. Joseph	Stevens
	Tuscola	Swift
	Van Buren	Wabasha
	Washtenaw	Waseca
	Wayne	Watonwan
	Wayne County	Winona
		Wright
		Yellow Medicine

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Missouri	Missouri	Nebraska
Adair	Monroe	Adams
Andrew	Montgomery	Antelope
Atchison	New Madrid	Boone
Audrain	Nodaway	Buffalo
Barton	Osage	Burt
Bates	Pemiscot	Butler
Boone	Perry	Cass
Buchanan	Pettis	Cedar
Butler	Pike	Clay
Caldwell	Platte	Colfax
Callaway	Putnam	Cuming
Cape Girardeau	Ralls	Custer
Carroll	Randolph	Dakota
Cass	Ray	Dawson
Chariton	Saline	Dixon
Clark	Schuyler	Dodge
Clay	Scotland	Douglas
Clinton	Scott	Fillmore
Cole	Shelby	Gage
Cooper	St. Charles	Greeley
Daviess	St. Louis	Hall
DeKalb	St. Louis	Hamilton
Dunklin	Stoddard	Howard
Gasconade	Sullivan	Jefferson
Gentry	Vernon	Johnson
Grundy	Warren	Kearney
Harrison	Worth	Lancaster
Henry		Madison
Holt		Merrick
Howard		Nance
Jackson		Nemaha
Jasper		Nuckolls
Johnson		Otoe
Knox		Pawnee
Lafayette		Phelps
Lewis		Pierce
Lincoln		Platte
Linn		Polk
Livingston		Richardson
Macon		Saline
Marion		Sarpy
Mercer		Saunders
Mississippi		Seward
Moniteau		Sherman

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Nebraska	New Jersey	Ohio
Stanton	Atlantic	Adams
Thayer	Burlington	Allen
Thurston	Camden	Ashland
Valley	Cape May	Athens
Washington	Cumberland	Auglaize
Wayne	Gloucester	Belmont
York	Hunterdon	Brown
	Mercer	Butler
	Middlesex	Carroll
	Monmouth	Champaign
	Morris	Clark
	Ocean	Clermont
	Salem	Clinton
	Somerset	Coshocton
		Crawford
		Darke
		Defiance
		Delaware
		Erie
		Fairfield
		Fayette
		Franklin
		Fulton
		Gallia
		Greene
		Guernsey
		Hamilton
		Hancock
		Hardin
		Harrison
		Henry
		Highland
		Hocking
		Holmes
		Huron
		Jackson
		Jefferson
		Knox
		Lawrence
		Licking
		Logan
		Lucas
		Madison
		Marion

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Ohio	Oklahoma	Pennsylvania
Meigs	Bryan	Adams
Mercer	Choctaw	Allegheny
Miami	Craig	Armstrong
Monroe	Mayes	Beaver
Montgomery	Muskogee	Bedford
Morgan	Nowata	Berks
Morrow	Okfuskee	Blair
Muskingum	Okmulgee	Bucks
Noble	Osage	Butler
Ottawa	Ottawa	Cambria
Paulding	Rogers	Cameron
Perry	Tulsa	Carbon
Pickaway	Wagoner	Centre
Pike	Washington	Chester
Preble		Clarion
Putnam		Clearfield
Richland		Clinton
Ross		Columbia
Sandusky		Cumberland
Scioto		Dauphin
Seneca		Delaware
Shelby		Elk
Tuscarawas		Fayette
Union		Forest
Van Wert		Franklin
Vinton		Fulton
Warren		Greene
Washington		Huntingdon
Williams		Indiana
Wood		Jefferson
Wyandot		Juniata
		Lancaster
		Lebanon
		Lehigh
		Lycoming
		McKean
		Mifflin
		Montgomery
		Montour
		Northampton
		Northumberland
		Perry
		Philadelphia
		Potter

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Pennsylvania	South Dakota	Texas
Schuylkill	Bon Homme	Anderson
Snyder	Brookings	Angelina
Somerset	Clark	Bowie
Union	Clay	Camp
Venango	Codington	Cass
Warren	Day	Cherokee
Washington	Deuel	Franklin
Westmoreland	Grant	Gregg
York	Hamlin	Harrison
	Hanson	Henderson
	Hutchinson	Houston
	Kingsbury	Jasper
	Lake	Marion
	Lincoln	Montgomery
	Marshall	Morris
	McCook	Nacogdoches
	Minnehaha	Newton
	Moody	Panola
	Roberts	Polk
	Turner	Rains
	Union	Red River
	Yankton	Rusk
		Sabine
		San Augustine
		San Jacinto
		Shelby
		Smith
		Titus
		Trinity
		Tyler
		Upshur
		Van Zandt
		Walker
		Wood

Appendix – Zone A Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Wisconsin
Buffalo
Calumet
Columbia
Crawford
Dane
Dodge
Fond du Lac
Grant
Green
Green Lake
Iowa
Jefferson
Kenosha
La Crosse
Lafayette
Milwaukee
Monroe
Ozaukee
Pepin
Racine
Richland
Rock
Sauk
Sheboygan
Trempealeau
Vernon
Walworth
Washington
Waukesha

Appendix – Zone B Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Minnesota	Nebraska	North Dakota
Clay	Arthur	Adams
Kittson	Banner	Barnes
Marshall	Blaine	Benson
Norman	Box Butte	Billings
Pennington	Boyd	Bottineau
Polk	Brown	Bowman
Red Lake	Cherry	Burke
Traverse	Dawes	Burleigh
Wilkin	Garden	Cass
	Garfield	Cavalier
	Grant	Dickey
	Holt	Divide
	Hooker	Dunn
	Keya Paha	Eddy
	Kimball	Emmons
	Knox	Foster
	Logan	Golden Valley
	Loup	Grand Forks
	McPherson	Grant
	Morrill	Griggs
	Rock	Hettinger
	Scotts Bluff	Kidder
	Sheridan	LaMoure
	Sioux	Logan
	Thomas	McHenry
	Wheeler	McIntosh
		McKenzie
		McLean
		Mercer
		Morton
		Mountrail
		Nelson
		Oliver
		Pembina
		Pierce
		Ramsey
		Ransom
		Renville

Appendix – Zone B Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

North Dakota	South Dakota
Richland	Aurora
Rolette	Beadle
Sargent	Bennett
Sheridan	Brown
Sioux	Brule
Slope	Buffalo
Stark	Butte
Steele	Campbell
Stutsman	Charles Mix
Towner	Corson
Traill	Custer
Walsh	Davison
Ward	Dewey
Wells	Douglas
Williams	Edmunds
	Fall River
	Faulk
	Gregory
	Haakon
	Hand
	Harding
	Hughes
	Hyde
	Jackson
	Jerauld
	Jones
	Lawrence
	Lyman
	McPherson
	Meade
	Mellette
	Miner
	Pennington
	Perkins
	Potter
	Sanborn
	Shannon
	Spink
	Stanley
	Sully
	Todd
	Tripp
	Walworth
	Ziebach

Appendix – Zone C Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Montana	Wyoming
Big Horn	Campbell
Blaine	Converse
Carter	Crook
Chouteau	Goshen
Custer	Johnson
Daniels	Laramie
Dawson	Niobrara
Fallon	Platte
Fergus	Sheridan
Garfield	Weston
Golden Valley	
Hill	
Liberty	
McCone	
Musselshell	
Petroleum	
Phillips	
Powder River	
Prairie	
Richland	
Roosevelt	
Rosebud	
Sheridan	
Treasure	
Valley	
Wheatland	
Wibaux	
Yellowstone	

Appendix – Zone D Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Colorado	Kansas	Nebraska
Adams	Cheyenne	Chase
Arapahoe	Clark	Cheyenne
Baca	Comanche	Deuel
Bent	Finney	Dundy
Cheyenne	Gove	Hitchcock
Crowley	Grant	Keith
Denver	Greeley	Lincoln
Elbert	Hamilton	Perkins
Kiowa	Haskell	
Kit Carson	Kearny	
Las Animas	Lane	
Lincoln	Logan	
Logan	Meade	
Morgan	Morton	
Otero	Rawlins	
Phillips	Scott	
Prowers	Seward	
Pueblo	Sheridan	
Sedgwick	Sherman	
Washington	Stanton	
Weld	Stevens	
Yuma	Thomas	
	Wallace	
	Wichita	

Appendix – Zone D Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

New Mexico	Oklahoma	Texas
Chaves	Beaver	Andrews
Colfax	Beckham	Archer
Curry	Caddo	Armstrong
De Baca	Cimarron	Atascosa
Eddy	Comanche	Austin
Guadalupe	Cotton	Bailey
Harding	Custer	Bandera
Lea	Dewey	Baylor
Lincoln	Ellis	Bee
Mora	Greer	Bexar
Quay	Harmon	Blanco
Roosevelt	Harper	Borden
San Miguel	Jackson	Briscoe
Santa Fe	Jefferson	Brooks
Torrance	Kiowa	Brown
Union	Roger Mills	Callahan
	Stephens	Cameron
	Texas	Carson
	Tillman	Castro
	Washita	Childress
	Woods	Clay
	Woodward	Cochran
		Coke
		Coleman
		Collingsworth
		Comal
		Concho
		Cottle
		Crockett
		Crosby
		Dallam
		Dawson
		Deaf Smith
		DeWitt
		Dickens
		Dimmit
		Donley
		Duval
		Ector
		Edwards
		Fisher
		Floyd
		Foard
		Frio
		Gaines
		Garza

Appendix – Zone D Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Texas	Texas
Gillespie	Mitchell
Glasscock	Montague
Goliad	Moore
Gray	Motley
Hale	Nolan
Hall	Ochiltree
Hansford	Oldham
Hardeman	Palo Pinto
Hartley	Parmer
Haskell	Potter
Hays	Randall
Hemphill	Reagan
Hidalgo	Real
Hockley	Roberts
Howard	Runnels
Hutchinson	San Saba
Irion	Schleicher
Jack	Scurry
Jim Hogg	Shackelford
Jim Wells	Sherman
Jones	Starr
Karnes	Stephens
Kendall	Sterling
Kenedy	Stonewall
Kent	Sutton
Kerr	Swisher
Kimble	Taylor
King	Terrell
Kinney	Terry
Kleberg	Throckmorton
Knox	Tom Green
La Salle	Upton
Lamb	Uvalde
Lipscomb	Val Verde
Live Oak	Webb
Llano	Wheeler
Lubbock	Wichita
Lynn	Wilbarger
Martin	Willacy
Mason	Williamson
Maverick	Wilson
McCulloch	Yoakum
McMullen	Young
Medina	Zapata
Menard	Zavala
Midland	

Appendix – Zone E Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Kansas	Louisiana	Nebraska
Barber	Acadia	Franklin
Barton	Allen	Frontier
Decatur	Calcasieu	Furnas
Edwards	Cameron	Gosper
Ellis	Evangeline	Harlan
Ford	Jefferson Davis	Hayes
Graham	Lafourche	Red Willow
Gray	Plaquemines	Webster
Harper	St. Bernard	
Hodgeman	Terrebonne	
Jewell	Vermilion	
Kingman		
Kiowa		
Mitchell		
Ness		
Norton		
Osborne		
Pawnee		
Phillips		
Pratt		
Reno		
Rooks		
Rush		
Russell		
Smith		
Stafford		
Sumner		
Trego		

Appendix – Zone E Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Oklahoma	Texas	Texas
Alfalfa	Aransas	Hood
Blaine	Bastrop	Hopkins
Canadian	Bell	Hunt
Carter	Bosque	Jackson
Cleveland	Brazoria	Jefferson
Coal	Brazos	Johnson
Creek	Burleson	Kaufman
Garfield	Burnet	Lamar
Garvin	Caldwell	Lampasas
Grady	Calhoun	Lavaca
Grant	Chambers	Lee
Johnston	Collin	Leon
Kay	Colorado	Liberty
Kingfisher	Comanche	Limestone
Lincoln	Cooke	Madison
Logan	Coryell	Matagorda
Love	Dallas	McLennan
Major	Delta	Milam
Marshall	Denton	Mills
McClain	Eastland	Navarro
Murray	Ellis	Nueces
Noble	Erath	Orange
Oklahoma	Falls	Parker
Pawnee	Fannin	Refugio
Payne	Fayette	Robertson
Pontotoc	Fort Bend	Rockwall
Pottawatomie	Freestone	San Patricio
Seminole	Galveston	Somervell
	Gonzales	Tarrant
	Grayson	Travis
	Grimes	Victoria
	Guadalupe	Waller
	Hamilton	Washington
	Hardin	Wharton
	Harris	Wise
	Hill	

Appendix – Zone F Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

Arkansas	Missouri	Oklahoma
Baxter	Barry	Adair
Benton	Benton	Atoka
Boone	Bollinger	Cherokee
Carroll	Camden	Delaware
Cleburne	Carter	Haskell
Conway	Cedar	Hughes
Crawford	Christian	Latimer
Faulkner	Crawford	Le Flore
Franklin	Dade	McCurtain
Fulton	Dallas	McIntosh
Garland	Dent	Pittsburg
Hot Spring	Douglas	Pushmataha
Independence	Franklin	Sequoyah
Izard	Greene	
Johnson	Hickory	
Logan	Howell	
Madison	Iron	
Marion	Jefferson	
Montgomery	Laclede	
Newton	Lawrence	
Perry	Madison	
Pike	Maries	
Polk	McDonald	
Pope	Miller	
Randolph	Morgan	
Saline	Newton	
Scott	Oregon	
Searcy	Ozark	
Sebastian	Phelps	
Sharp	Polk	
Stone	Pulaski	
Van Buren	Reynolds	
Washington	Ripley	
White	Shannon	
Yell	St. Clair	
	St. Francois	
	Ste. Genevieve	
	Stone	
	Taney	
	Texas	
	Washington	
	Wayne	
	Webster	
	Wright	

Appendix – Zone G Counties that Qualify for Exchange Soil Offsets for Conservation Tillage

New York
Cayuga
Erie
Genesee
Livingston
Madison
Monroe
Montgomery
Niagara
Oneida
Onondaga
Ontario
Orleans
Oswego
Schenectady
Seneca
Wayne
Yates