

## Chapter 13C. Subject of Investigation Codes (SOI)

SOI Code	Description
0110	Soil
0120	Land
0199	Soil and land, general
0210	Water resources
0310	River basins
0320	Watersheds
0330	Wetland and riparian systems
0399	Watersheds and river basins, general
0410	Air
0420	Weather
0430	Climate
0440	Solar radiation
0499	Atmosphere, general/other
0510	Wilderness
0520	Campgrounds and picnic areas
0530	Parks and urban green space
0599	Recreational resources, general other
0610	Conifer forests of the North
0611	Conifer forests of the South
0612	Conifer forests of the West
0613	Mixed conifer-broadleaf forests
0620	Broadleaf forests of the North
0621	Broadleaf forests of the South
0622	Broadleaf forests of the West
0630	Chaparral and shrub lands
0640	Tropical forests
0650	Wood and wood products
0660	Paper and pulp derived products
0670	Short rotation woody crops, including holiday trees
0680	Other products of the forest
0699	Trees, forests, and forest products, general
0710	Desert and semidesert shrub land and shinnery

<b>SOI Code</b>	<b>Description</b>
0720	Pinyon-juniper
0730	Mountain grasslands, meadow, and alpine
0780	Grasslands, other
0790	Rangelands, other
0799	Rangelands and grasslands, general
0810	Finfish
0811	Shellfish
0812	Fish habitats
0819	Natural fisheries, other
0820	Wild birds
0830	Wild animals
0840	Fur-bearing animals
0850	Wildlife habitats
0860	Endangered species
0899	Wildlife and natural fisheries, general/other
0910	Grapefruit
0920	Orange
0930	Lemon
0999	Citrus, general/other
1010	Banana
1020	Pineapple
1030	Papaya
1040	Mango
1050	Date
1060	Kiwi
1099	Tropical/subtropical fruit, general/other
1110	Apple
1111	Apricot
1112	Cherry
1113	Nectarine
1114	Peach
1115	Pear
1116	Plum
1119	Deciduous tree fruits, other
1120	Blueberry

<b>SOI Code</b>	<b>Description</b>
1121	Cranberry
1122	Strawberry
1123	Raspberry
1129	Berries and cane fruits, other
1130	Table grapes
1131	Wine grapes
1132	Raisin grapes
1139	Grapes, other
1199	Deciduous and small fruits, general/other
1210	Filbert
1211	Pecan
1212	Almond
1213	Walnut
1219	Edible tree nuts, general/other
1310	Potato
1410	Beans (dry)
1411	Beans (fresh, fresh-processed)
1412	Peas (dry)
1413	Peas (fresh, fresh-processed)
1414	Lentil
1419	Leguminous vegetables, other
1420	Melons (includes cantaloupe, muskmelon, watermelon)
1421	Cucumber
1429	Cucurbits, other (includes pumpkin, squash, gourd)
1430	Greens and leafy vegetables (includes endive, lettuce, spinach, turnip-greens, celery, rhubarb, parsley, asparagus)
1440	Cole crops (includes cabbage, kale, broccoli, brussels sprouts, cauliflower, kohlrabi)
1450	Sweet potato
1451	Onion, garlic, leek, shallot
1452	Carrot
1453	Yam
1454	Taro
1455	Cassava (or manioc)
1459	Rhizomes, tubers, bulbs, and root crops, general/other (for potato use 1310)

<b>SOI Code</b>	<b>Description</b>
1460	Tomato
1461	Peppers
1462	Eggplant
1469	Solanaceous and related crops, general/other (for potato use 1310)
1470	Mushrooms and other edible fungi
1480	Sweetcorn
1499	Vegetables, general/other
1510	Corn (for sweetcorn use 1480)
1511	Popcorn
1520	Grain sorghum
1530	Rice
1540	Hard red winter wheat
1541	Hard red spring wheat
1542	Soft red wheat
1543	Soft white wheat (includes club, western, soft white)
1544	Hard white wheat
1545	Durum wheat
1549	Wheat, other
1550	Barley
1560	Oats
1570	Rye
1599	Grain crops, general/other (includes buckwheat, millet, triticale)
1610	Pasture
1620	Warm season perennial grasses (includes dallisgrass, bluestems, bermudagrass)
1621	Cool season perennial grasses (includes bluegrass, bromegrass, fescue, orchardgrass, perennial ryegrass, timothy, wheatgrass)
1629	Perennial grasses, other
1630	Summer annual grasses (includes forage sorghums, sudangrass, sorghum-sudangrass hybrids)
1631	Winter annual grasses (includes annual ryegrass)
1639	Annual grasses, other
1640	Alfalfa
1641	Trefoil
1642	Red clover

<b>SOI Code</b>	<b>Description</b>
1643	Crownvetch
1644	Winter annual legumes (includes subterranean clover, arrowleaf clover)
1649	Forage legumes, other
1699	Pasture and forage crops, general/other
1710	Upland cotton
1711	Long fiber cotton
1719	Cotton, other
1720	Kenaf
1730	Hemp
1740	Ramie
1750	Agave
1799	Fiber crops, general/other
1810	Cottonseed (for meal, oil, etc.)
1820	Soybean
1830	Peanut
1840	Castor
1841	Crambe
1842	Flax
1843	Safflower
1844	Sunflower
1845	Jojoba
1846	Coconut
1847	Palm
1848	Canola
1849	Cuphea
1850	Lesquerella
1851	Meadowfoam
1852	Rape
1853	Sesame
1854	Chinese tallow
1855	Tung

<b>SOI Code</b>	<b>Description</b>
1899	Oilseed and oil crops, general/other
1910	Flue-cured tobacco
1920	Burley tobacco
1930	Cigar-type tobacco
1999	Tobacco, general/other
2010	Sugar beet
2020	Sugar cane
2030	Sweet sorghum
2099	Sugar crops, general/other
2110	Ornamental trees and shrubs
2120	Herbaceous perennials and decorative greens
2121	Cut flowers, foliage, and greens
2122	Potted plants
2123	Bedding/garden plants
2129	Florist crops, other
2130	Turf (includes bentgrass, bermudagrass, bluegrass, dichondra, fescue, ryegrass, zoysia)
2140	Ground covers
2150	Aquatic plants
2160	Arboreta and botanical gardens
2199	Ornamentals and turf, general/other (includes cacti)
2210	Chemurgic crops
2220	Medicinal crops, non-narcotic
2230	Hops
2231	Mint
2232	Coffee
2233	Cacao
2234	Tea
2235	Herbs and spices
2239	Flavoring and beverage plants, other
2240	Guayule

<b>SOI Code</b>	<b>Description</b>
2241	Hevea
2242	Gums
2249	Rubber, gum, and resin plants, other
2299	Miscellaneous and new crops, general/other
2300	Weeds
2410	Cross-commodity research—multiple crops
2420	Noncrop plant research
2499	Plant research, general
3010	Honey bees
3020	Honey and honey products
3030	Non-honey apiary products
3090	Other pollinators
3099	Bees, honey, and other pollinators, general
3110	Insects
3120	Spiders, mites, ticks, and other arthropods
3130	Nematodes
3199	Invertebrates, general/other
3210	Egg-type chicken, live animal
3220	Meat-type chicken, live animal
3230	Turkey, live animal
3240	Duck and goose, live animal
3250	Ratites (e.g., ostrich, emu, rhea), live animal
3260	Poultry meat
3270	Eggs
3280	Other poultry products
3299	Poultry, general/other
3310	Beef cattle, live animal
3320	Meat, beef cattle
3330	Other beef cattle products
3399	Beef cattle, general/other
3410	Dairy cattle, live animal

<b>SOI Code</b>	<b>Description</b>
3420	Butter
3430	Cheese
3440	Meat, dairy cattle
3450	Milk
3460	Ice cream
3470	Other dairy cattle products
3499	Dairy cattle, general/other
3510	Swine, live animal
3520	Meat, swine
3530	Other swine products
3599	Swine, general/other
3610	Sheep, live animal
3620	Meat, sheep
3630	Wool fiber
3699	Sheep and wool, general/other
3710	Catfish
3711	Trout
3712	Salmon
3173	Striped bass
3714	Tilapia
3715	Baitfish (minnows and shiners)
3716	Ornamental finfish
3719	Other cultured finfish
3720	Crawfish
3721	Marine shrimp
3722	Freshwater shrimp
3723	Oysters
3724	Clams and mussels
3725	Ornamental shellfish
3729	Other cultured shellfish
3799	Cultured aquatic animals, general/other

<b>SOI Code</b>	<b>Description</b>
3810	Horses, ponies, and mules
3820	Goats, meat and mohair
3830	Pets (companion animals)
3840	Laboratory animals
3899	Other animals, general
3910	Cross-commodity research—multiple animal species
3999	Animal research, general
4010	Bacteria
4020	Fungi (including yeast)
4030	Viruses
4040	Viroids, mycoplasmas, spiroplasmas, etc.
4050	Protozoa
4099	Microorganisms, general/other
5010	Food (not readily associated with specific plant and animal products)
5110	Clothing/apparel
5120	Textiles
5199	Clothing and textiles, general
5210	Fertilizers
5220	Pesticides (includes herbicides, insecticides, fungicides, etc.)
5230	Feed and feed additives
5240	Seeds and other plant propagules
5299	Agricultural supplies, general/other
5310	Machinery and equipment
5320	Houses (human residences), furniture, household equipment, non-textile furnishings
5330	Farm structures and related facilities
5340	Nonfarm structures and related facilities, including those used in marketing, storing, processing, and distributing functions, and for recreational uses
5350	Domestic and community water supply facilities and systems
5360	Drainage and irrigation facilities and systems
5370	Sewage and waste disposal facilities and systems

<b>SOI Code</b>	<b>Description</b>
5399	Structures, facilities, and equipment, general/other
6010	Individuals (as workers, consumers, members of society)
6020	The family and its members
6030	The farm as an enterprise
6040	Real estate
6050	Communities, areas, and regions, including states and their institutions and organizations
6099	People and communities, general/other
6110	Economy of the United States and sectors thereof
6120	International economy and sectors thereof
6199	Economy, general/other
6210	Farmer cooperatives
6220	Marketing, processing, and supply firms other than cooperatives
6230	Marketing systems and sectors thereof
6299	Marketing, general/other
(Use the following classifications only if the research is not targeted at one or more previously listed specific commodities/products or resources)	
7010	Biological cell systems
7110	Research on research management (not research management per se)
7210	Remote sensing equipment and technology
7220	Sensory evaluation/analysis methods (human senses)
7299	Research equipment and methods, general/other
7310	Experimental design and statistical methods
7410	General technology