

DWR REMOTE SENSING LAND USE LEGEND

Standard Legend Adapted for Remote Sensing Crop Mapping

(Land IQ Agricultural Land Use Classes)

August 2016, Revised November 2021; For use starting with WY 2021 mapping

The following legend is provided to identify the crop classes used in the remote sensing analysis of crop classification. An attachment follows that shows the differences in crop classes between the standard DWR Land Use Legend and the Land IQ Agricultural Land Use Classes used for remote sensing analysis.

II. AGRICULTURAL CLASSES

Most crops grown in California are irrigated. Unless preceded with an “n” if it is non-irrigated, all agricultural classes are considered irrigated.

G - GRAIN AND HAY CROPS

- Wheat – G2
- Miscellaneous Grain and Hay – G6

R - RICE

- Rice – R1
- Wild Rice – R2

F - FIELD CROPS

- Cotton – F1
- Safflower – F2
- Sugar beets – F5
- Beans (Dry) – F10
- Miscellaneous Field Crops – F11
- Sunflowers – F12
- Corn, Sorghum and Sudan – F16

P - PASTURE

- Alfalfa & Alfalfa Mixtures – P1
- Mixed Pasture – P3
- Native Pasture – P4
- Induced high water table native pasture – P5

- Miscellaneous Grasses – P6
- Turf Farms – P7

Y – YOUNG PERENNIAL

- Young Perennials - YP

T - TRUCK, NURSERY, AND BERRY CROPS

- Cole Crops – T4
- Carrots – T6
- Melons, Squash and Cucumbers – T9
- Onions and Garlic – T10
- Potatoes – T12
- Sweet Potatoes – T13
- Flowers, Nursery and Christmas Tree Farms – T16
- Miscellaneous Truck Crops – T18
- Bush Berries – T19
- Strawberries – T20
- Peppers – T21
- Greenhouse – T27
- Lettuce/Leafy Greens – T30
- Tomatoes – T32

D - DECIDUOUS FRUITS AND NUTS

- Apples – D1
- Apricots – D2
- Cherries – D3
- Peaches/Nectarines – D5
- Pears – D6
- Plums – D7
- Prunes – D8
- Miscellaneous Deciduous – D10
- Almonds – D12
- Walnuts – D13
- Pistachios – D14
- Pomegranates – D15
- Pecans – D17

C - CITRUS AND SUBTROPICAL

- Citrus - C
- Dates – C4
- Avocados – C5
- Olives – C6
- Miscellaneous Subtropical Fruits– C7

- Kiwis – C8
- Eucalyptus – C10

V - VINEYARDS

- Grapes – V

I – IDLE

- Idle – Short Term – I1 – Land not cropped in the current or previous water year, but cropped within the past 3 years
- Idle – Long Term – I4 – Land that has been fallow or idle for 3 consecutive water years

X -UNCLASSIFIED FALLOW

- Unclassified Fallow – X

DWR STANDARD LAND USE – REMOTE SENSING LEGEND COMPARISON

Initial Release: August 2016, Updated November 2021

Remote Sensing Code/Classification		DWR Code/Classification	Specific Crops Included
G – GRAIN AND HAY CROPS			
G2	Wheat	G2: Wheat	Wheat
G6	Miscellaneous Grain and Hay	G1: Barley G3: Oats G6: Miscellaneous grain and hay G7: Mixed grain and hay	Barley, cover crops (soil building), forage mixes, mixed grain and hay, oats, rye, triticale, vetch
R – RICE			
R1	Rice	R1: Rice	Rice
R2	Wild Rice	R2: Wild rice	Wild rice
F – FIELD CROPS			
F1	Cotton	F1: Cotton	Cotton
F2	Safflower	F2: Safflower	Safflower
F5	Sugar beets	F5: Sugar beets	Sugar beets
F10	Beans (dry)	F9: Castor beans F10: Beans (dry)	Blackeye bean, castor bean, common bean (kidney, pinto, black), garbanzo bean, lima bean
F11	Miscellaneous Field Crops	F3: Flax F4: Hops F11: Miscellaneous field F14: Millet F15: Sugar cane	Flax, hemp, hops, horseradish, millet, mint, quinoa, sugarcane, mixed field crops
F12	Sunflowers	F12: Sunflowers	Sunflowers
F16	Corn, Sorghum and Sudan	F6: Corn (field & sweet) F7: Grain sorghum F8: Sudan F13: Hybrid sorghum/sudan	Corn (field & sweet), hybrid sorghum/sudan, sorghum, sudan grass

Remote Sensing Code/Classification		DWR Code/Classification	Specific Crops Included
P – PASTURE			
P1	Alfalfa and Alfalfa Mixtures	P1: Alfalfa & alfalfa mixtures P2: Clover	Alfalfa, alfalfa mixtures, clover
P3	Mixed Pasture	P3: Mixed Pasture	Mixed pasture
P4	Native Pasture	P4: Native pasture	Native pasture
P5	Induced high water table native pasture	P5: Induced high water table native pasture	Induced high water table native pasture
P6	Miscellaneous Grasses	P6: Miscellaneous grasses P8: Bermuda grass P9: Rye grass P10: Klein grass	Bermuda grass, forage grass, kleingrass, ryegrass, teff
P7	Turf Farms	P7: Turf farms	Turf
T – TRUCK, NURSERY, AND BERRY CROPS			
T4	Cole Crops	T4 : Cole crops T22: Broccoli T23: Cabbage T24: Cauliflower T25: Brussels sprouts	Broccoli, broccolini, Brussels sprouts, cabbage, cauliflower, collard, kale, kohlrabi, mixed cole crops
T6	Carrots	T6: Carrots	Carrots
T9	Melons, Squash and Cucumbers	T9: Melons, squash and cucumbers (all types)	Cantaloupe, cucumber, gourd, honeydew, melon, pumpkin, spaghetti squash, squash, watermelon, yellow squash, zucchini, mixed cucurbits
T10	Onions and Garlic	T10: Onions and garlic	Onions, garlic
T12	Potatoes	T12: Potatoes	Potatoes
T13	Sweet Potatoes	T13: Sweet potatoes	Sweet potatoes
T16	Flowers, Nursery and Christmas Tree Farms	T16: Flowers, nursery and Christmas tree farms	Cannabis, Christmas trees, cut flowers, lavender, Mexican fan palm, ornamental nursery, crop transplant nursery, tree nursery

Remote Sensing Code/Classification		DWR Code/Classification	Specific Crops Included
T18	Miscellaneous Truck Crops	T1: Artichokes T2: Asparagus T3: Beans (green) T7: Celery T11: Peas T17: Mixed truck (four or more) T18: Miscellaneous truck T29: Asian leafy vegetables	Artichoke, Asian leafy vegetables, asparagus, basil, beet, bok choy, broccoli rabe, celery, chard, Chinese cabbage, chives, cilantro, eggplant, fennel, green bean, leek, lemongrass, okra, other herbs, parsley, parsnip, pea, radish, tomatillo, turnip, mixed truck crops
T19	Bush Berries	T19: Bush berries T28: Blueberries	Blackberry, blueberry, raspberry
T20	Strawberries	T20: Strawberries	Strawberries
T21	Peppers	T21: Peppers (chili, bell, etc.)	Bell pepper, chili pepper
T27	Greenhouse	T27: Greenhouse	Greenhouse
T30	Lettuce/Leafy Greens	T8: Lettuce (all types) T14: Spinach	Arugula, leaf lettuce, head lettuce, shaved lettuce, spinach, spring mix
T32	Tomatoes	T15: Tomatoes (processing) T26: Tomatoes (market)	Fresh market tomato, processing tomato
D – DECIDUOUS FRUITS AND NUTS			
D1	Apples	D1: Apples	Apples
D2	Apricots	D2: Apricots	Apricots
D3	Cherries	D3: Cherries	Cherries
D5	Peaches/Nectarines	D5: Peaches and nectarines	Peaches, nectarines
D6	Pears	D6: Pears	Pears, Asian pears
D7	Plums	D7: Plums	Plums
D8	Prunes	D8: Prunes	Prunes
D10	Miscellaneous Deciduous	D9: Figs D10: Miscellaneous deciduous D11: Mixed deciduous	Chestnuts, figs, hazelnuts, jujube, persimmons, mixed deciduous
D12	Almonds	D12: Almonds	Almonds
D13	Walnuts	D13: Walnuts	Walnuts
D14	Pistachios	D14: Pistachios	Pistachios
D15	Pomegranates	D15: Pomegranates	Pomegranates

Remote Sensing Code/Classification		DWR Code/Classification	Specific Crops Included
D17	Pecans	-	Pecans
C – CITRUS AND SUBTROPICAL			
C	Citrus	C1: Grapefruit C2: Lemons C3: Oranges	Clementine, grapefruit, kumquat, lemon, lime, orange, mixed citrus, pomelo, tangelo, tangerine
C4	Dates	C4: Dates	Dates
C5	Avocados	C5: Avocados	Avocados
C6	Olives	C6: Olives	Olives (oil), Olives (table)
C7	Miscellaneous Subtropical Fruits	C7: Miscellaneous subtropical fruits C9: Jojoba C11: Mixed subtropical fruits	Cactus, cherimoya, guava, jojoba, mango, Mexican hawthorn, moringa, mixed subtropical fruits
C8	Kiwis	C8: Kiwis	Kiwis
C10	Eucalyptus	C10: Eucalyptus	Eucalyptus
V – VINEYARDS			
V	Grapes	V1: Table grapes V2: Wine grapes V3: Raisin grapes	Raisin grapes, table grapes, wine grapes
I – IDLE			
I1	Short-Term Idle	I1: Land not cropped the current or previous water year, but cropped within the past three years.	
I4	Long-Term Idle	I4: Land that has been fallow or idle for 3 consecutive water years.	
X – UNCLASSIFIED FALLOW			
X	Unclassified Fallow	-	Land not cropped during the current water year only
Y – YOUNG PERENNIALS			
YP	Young Perennials	-	Includes young orchards and vineyards