

Table S1. Cropland Data Layer (CDL) codes corresponding to cultivated land in Idaho included in CropScape analysis¹

Code	Crop	Code	Crop
1	Corn	55	Cranberries
2	Cotton	56	Hops
3	Rice	57	Herbs
4	Sorghum	58	Clover
5	Soybeans	66	Cherries
6	Sunflower	68	Apples
10	Peanuts	69	Grapes
11	To bacco	72	Citrus
12	Sweet Corn	74	Pecans
13	Popcorn/Ornamental Corn	75	Almonds
14	Mint	76	Walnuts
21	Barley	77	Pears
22	Durum wheat	204	Pistachios
23	Spring wheat	206	Carrots
24	Winter wheat	208	Garlic
25	Other small grains	209	Cantaloupe
28	Rye	210	Prunes
29	Oats	211	Olives
29	Millet	212	Oranges
30	Speltz	213	Honeydew
31	Canola	214	Broccoli
32	Flaxseed	215	Avocado
33	Safflower	216	Peppers
34	Rape Seed	217	Pomegranate
35	Mustard	218	Nectarines
36	Alfalfa	219	Greens
41	Sugarbeets	220	Plums
42	Dry beans	221	Strawberries
43	Potatoes	222	Squash
44	Other crops	223	Apricots
45	Sugarcane	242	Blueberries
46	Sweet potatoes	243	Cabbage
47	Misc vegetables and fruits	244	Cauliflower
48	Watermelons	245	Celery
49	Onions	246	Radishes
50	Cucumbers	247	Turnips
51	Chickpeas	248	Eggplants
52	Lentils	249	Gourds
53	Peas	250	Cranberries
54	Tomatoes	205	Triticale

¹Obtained from [https://www.nass.usda.gov/Research and Science/Cropland/metadata/2020_cultivated_layer_metadata.htm](https://www.nass.usda.gov/Research_and_Science/Cropland/metadata/2020_cultivated_layer_metadata.htm)

Table S2. Sensitivity and specificity in pixels of cultivated and non-cultivated land within 0.5 km of each participant-home between ground-truthing and satellite-derived estimates from sensitivity analysis in which inaccessible fields were removed from the analysis

Method	Overall agreement ¹ (%)	Sensitivity (%)	Specificity (%)
CropScape	89.3	82.2	90.0
NLCD Crop	89.6	82.8	90.2
Landsat-derived NDVI ₇₅	57.5	83.3	55.2
Landsat-derived NDVI ₉₀	76.0	59.3	77.5

¹Overall agreement in pixels designated as cultivated crops vs. non-cultivated area

Table S3. Sensitivity and specificity in pixels of cultivated crops and non-cultivated land within 0.5 km of each participant-home between ground-truthing and combinations of satellite-derived estimates from sensitivity analysis in which inaccessible fields were removed from the analysis

Method	Overall agreement ¹ (%)	Sensitivity (%)	Specificity (%)
CropScape or NLCD Crop ²	87.1	93.5	74.4
CropScape or Landsat-derived NDVI ₉₀ ²	52.9	95.6	69.9
CropScape or Landsat-derived NDVI ₉₀ ²	71.6	90.9	50.7
NLCD Crop or Landsat ₇₅ ²	53.1	96.1	69.9
NLCD Crop or Landsat ₉₀ ²	71.8	90.9	51.2
CropScape and NLCD Crop ³	91.9	86.7	93.4
CropScape and Landsat-derived NDVI ₇₅ ³	93.9	49.1	96.0
CropScape and Landsat-derived ₉₀ ³	93.8	69.9	97.6
NLCD Crop and Landsat ₇₅ ³	94.0	49.3	96.1
NLCD Crop and Landsat ₉₀ ³	93.8	80.2	97.5

¹Overall agreement in area designated as cultivated crops vs. non-cultivated area

²Area considered cultivated land if *either* comparison method designated it as cultivated land

³Area considered cultivated land if *both* comparison methods designated it as cultivated land

Figure S1. NDVI Values for Western Idaho

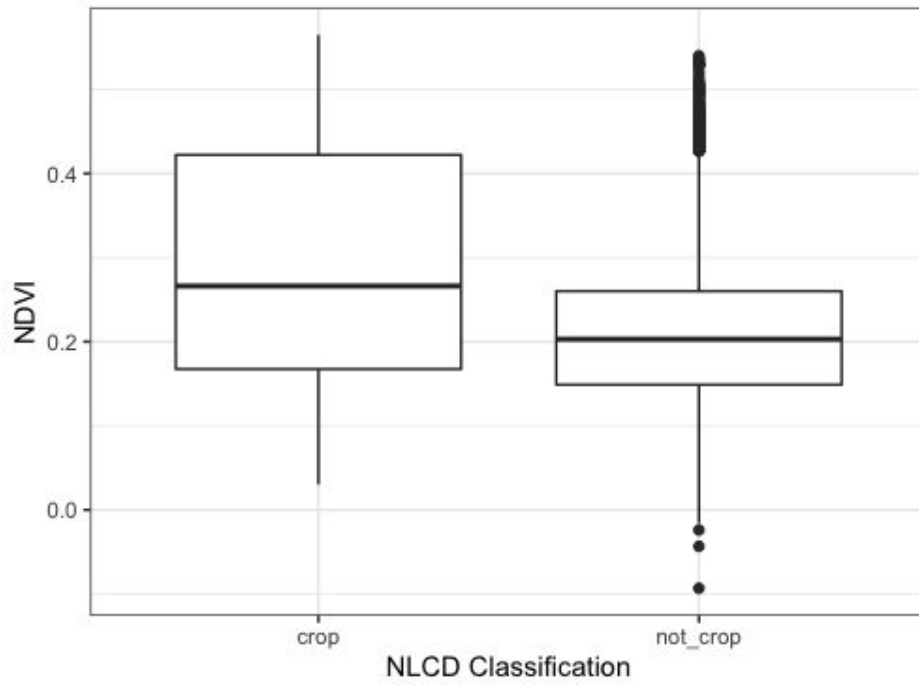


Figure S2. NDVI Values for Southern Idaho

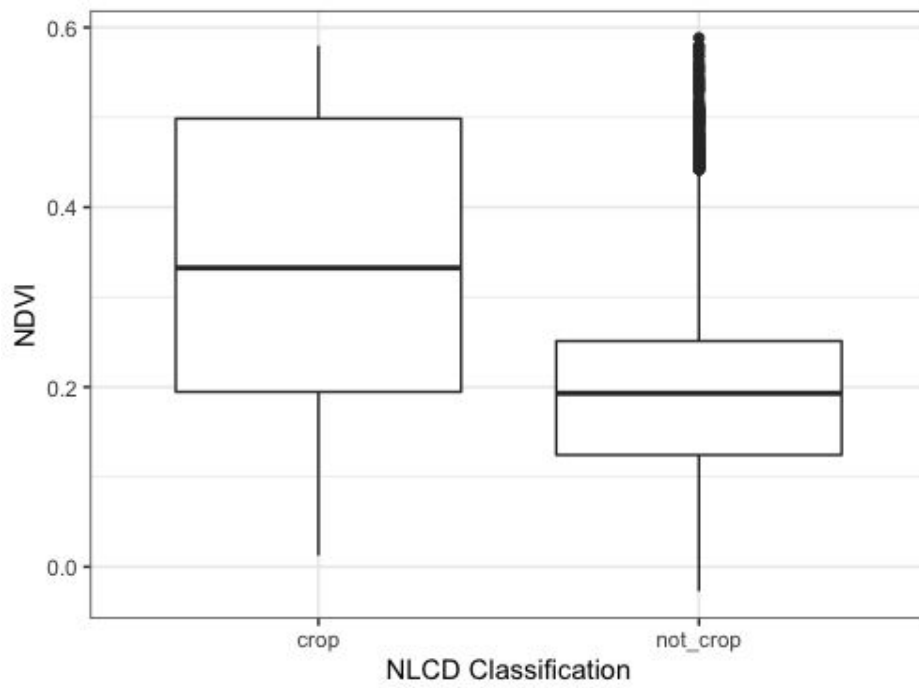




Figure S3. Example of increasing urbanization near one participant's home