

## **Variable List in "DG\_CORRECTED\_SAMPLE\_2012.dta"**

### **Geographical and year variables:**

fips: County fips code  
statefips: State fips code  
year: Census of agriculture year  
uuyy: interaction between year and USDA region variable (string variable)  
ddyy: interaction between year and US Census division (string variable)  
ssyy: interaction between year and state (string variable)

### **Variables from Census of Agriculture and soil characteristics:**

fland: total acres of farmland  
rtfsale: total farm sales (thousand of \$2002)  
rtotexp: total farm production expenses (thousand of \$2002)  
dry: indicator if less than 10% of farmland is irrigated  
y: derived profits per acre of farmland (\$2002)

x1: Salinity  
x2: Fraction flood-prone  
x3: Wetlands  
x4: K-factor  
x5: Slope length  
x6: Fraction sand  
x7: Fraction clay  
x8: Moisture capacity  
x9: Permeability  
Note: missing soil characteristics imputed using STATA impute command (less than 4% of observations). Salinity is time-invariant

### **Growing season degree-days and precipitation:**

prcp: growing season precipitation (inches)  
prcp\_sq: square of prcp  
dd89: cumulative growing season degree-days, defined with a base of 46.4° F and ceiling of 89.6° F  
dd89\_sq: square of dd89  
L1\_\$\$: denotes the first lag of each variable

### **Variables with Predicted Change in Growing Season Weather (Hadley 2 and CCSM 3 A2):**

h2\_d\_dd89: change in average dd89 (average over 2070-2099 in Hadley 2 minus average over 1970-2000 in historical data)  
  
h2\_d\_dd89\_sq: change in average dd89\_sq (average over 2070-2099 in Hadley 2 minus average over 1970-2000 in historical data)  
  
h2\_d\_prcp: change in average prcp (average over 2070-2099 in Hadley 2 minus average over 1970-2000 in historical data)  
  
h2\_d\_prcp\_sq: change in average prcp\_sq (average over 2070-2099 in Hadley 2 minus average over 1970-2000 in historical data)  
  
ccsm\_d\_dd89: change in average dd89 (average over 2070-2099 in CCSM 3 A2 minus average over 1970-2000 in historical data)  
  
ccsm\_d\_dd89\_sq: change in average dd89\_sq (average over 2070-2099 in CCSM 3 A2 minus average over 1970-2000 in historical data)  
  
ccsm\_d\_prcp: change in average prcp (average over 2070-2099 in CCSM 3 A2 minus average over 1970-2000 in historical data)  
  
ccsm\_d\_prcp\_sq: change in average prcp\_sq (average over 2070-2099 in CCSM 3 A2 minus average over 1970-2000 in historical data)