\*Modeling the influence of blooming forb coverage on non-target abundance;

\*Year 1

\*Load in the data;

proc import out = nontarget\_year1

datafile = 'C:/Users/Morgan/Documents/ISU/Project/SAS/Data Files/full/Condensed\_Year1.xlsx'

dbms = xlsx

replace;

getnames = yes;

datarow = 2;

run;

\*Print the data to make sure it loaded okay;

proc print data = nontarget\_year1;

run;

\*Mixed effects model;

proc glimmix data = nontarget\_year1 plots = studentpanel;

class Site;

model NonTarget = PercentCover / dist = poisson s ddfm = sat;

random Site;

run;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Year 2

\*Load in the data;

proc import out = nontarget\_year2

datafile = 'C:/Users/Morgan/Documents/ISU/Project/SAS/Data Files/full/Condensed\_Year2.xlsx'

dbms = xlsx

replace;

getnames = yes;

datarow = 2;

run;

\*Print the data to make sure it loaded okay;

proc print data = nontarget\_year2;

run;

\*Mixed effects model;

proc glimmix data = nontarget\_year2 plots = studentpanel;

class Site;

model NonTarget = PercentCover / dist = poisson s ddfm = sat;

random Site;

run;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Year 3

\*Load in the data;

proc import out = nontarget\_year3

datafile = 'C:/Users/Morgan/Documents/ISU/Project/SAS/Data Files/full/Condensed\_Year3.xlsx'

dbms = xlsx

replace;

getnames = yes;

datarow = 2;

run;

\*Print the data to make sure it loaded okay;

proc print data = nontarget\_year3;

run;

\*Mixed effects model;

proc glimmix data = nontarget\_year3 plots = studentpanel;

class Site;

model NonTarget = PercentCover / dist = poisson s ddfm = sat;

random Site;

run;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Years 1 and 2

\*Load in the data;

proc import out = nontarget\_years12

datafile = 'C:/Users/Morgan/Documents/ISU/Project/SAS/Data Files/full/Condensed\_Years12.xlsx'

dbms = xlsx

replace;

getnames = yes;

datarow = 2;

run;

\*Print the data to make sure it loaded okay;

proc print data = nontarget\_years12;

run;

\*Species richness mixed effects model;

proc glimmix data = nontarget\_years12 plots = studentpanel;

class Site Year;

model NonTarget = PercentCover|Year / dist = poisson s ddfm = sat;

random Site;

run;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Years 1, 2, and 3

\*Load in the data;

proc import out = nontarget\_years123

datafile = 'C:/Users/Morgan/Documents/ISU/Project/SAS/Data Files/full/Condensed\_Years123.xlsx'

dbms = xlsx

replace;

getnames = yes;

datarow = 2;

run;

\*Print the data to make sure it loaded okay;

proc print data = nontarget\_years123;

run;

\*Species richness mixed effects model;

proc glimmix data = nontarget\_years123 plots = studentpanel;

class Site Year;

model NonTarget = PercentCover|Year / dist = poisson s ddfm = sat;

random Site;

run;