

Name: _____

CWID: _____

Section _____

PLNT 1213
Fall 2009
Growing degree days homework
10 points

1. How is a growing degree day, or heat unit used?
2. Write the equation for calculating daily growing degree days.
3. Using information presented on <http://agweather.mesonet.org/>, calculate the number of heat units accumulated during one day for the crops and locations given in the table below.
The steps you to do this are:
 - 1.click the “weather” tab near the top
 - 2.select “past weather data” on the left
 - 3.select “Monthly Weather Summary”
 - 4.select a date and location
 - 5.Click “Get Summary” & record the information you’ll need
 6. click the “crop” tab near the top
 7. select the crop from the menu on the left
 8. select “degree day heat unit calculator”
 9. record the information you’ll need

Date	Location	Crop	Temperatures	Calculation	heat units
8/17	Altus	cotton	<u>Observed:</u> <u>Threshold:</u>		
8/31	Buffalo	sorghum	<u>Observed:</u> <u>Threshold:</u>		
9/5	Hollis	peanut	<u>Observed:</u> <u>Threshold:</u>		
9/13	Miami	alfalfa	<u>Observed:</u> <u>Threshold:</u>		
10/1	Clinton	corn (maize)	<u>Observed:</u> <u>Threshold:</u>		