Final Report

Task 2, Deliverable 2g - $9,000

July 2015

FDACS Contract No. 021061

IFAS Contract No. 00094443

EXPANSION OF EXISTING FARM WEATHER DATA COLLECTION & DISPLAY WEB AND SMARTPHONE APPLICATION BY THE FLORIDA AUTOMATED WEATHER NETWORK (FAWN)

Task #2. Incorporate data from one grower weather station into FAWN’s existing suite of cold protection tools in a production environment, after the test version described in Task 1 above has been completed.

REPORT ON DELIVERABLE 2G:
My Florida Farm Weather growers can now receive real-time automatic text and/or email notifications that their farms are getting close to reaching the critical minimum temperature based on weather information from their own weather station. Below is a screenshot that shows a sample email notification.

![Sample Email Notification](image-url)
Below is a screenshot of the code used to generate the text notification. The code is included because during the summer months the system does not function.

```php
use function get_email_body;

if ($level == 1 || $level == 2) {
    $msg = "The temperature at {$station_name} has reached your critical temperature of {$critical_temp}.
";
} else if ($level == 3 || $level == 4) {
    if ($is_email=false) {
        $msg = "This text is to inform you that the temperature at {$station_name} has reached your safe cutoff of {$safe_cutoff}.
";
    } else {
        $msg = get_email_body($level, $station_name, $station_id, $current_temp, $critical_temp, $safe_cutoff) ;
    }
}
```

Below is what the text message will look like on a phone screen.

“This text is to inform you that the temperature at [station] has reached your critical temperature of [critical temperature]."