

Hawk-Eye™ & EYAS Systems

Autonomously, 24/7

Visualizes and Measures Turf



Measures

Temperature

Color & Uniformity

**It's a lot of data and information.
But - The autonomous alerts and notices call
attention to what needs to be seen.**



Computes

Canopy Heat & Stress Indices & Quality Indices

Reports Actionable Information in Real-Time

Jim Etro

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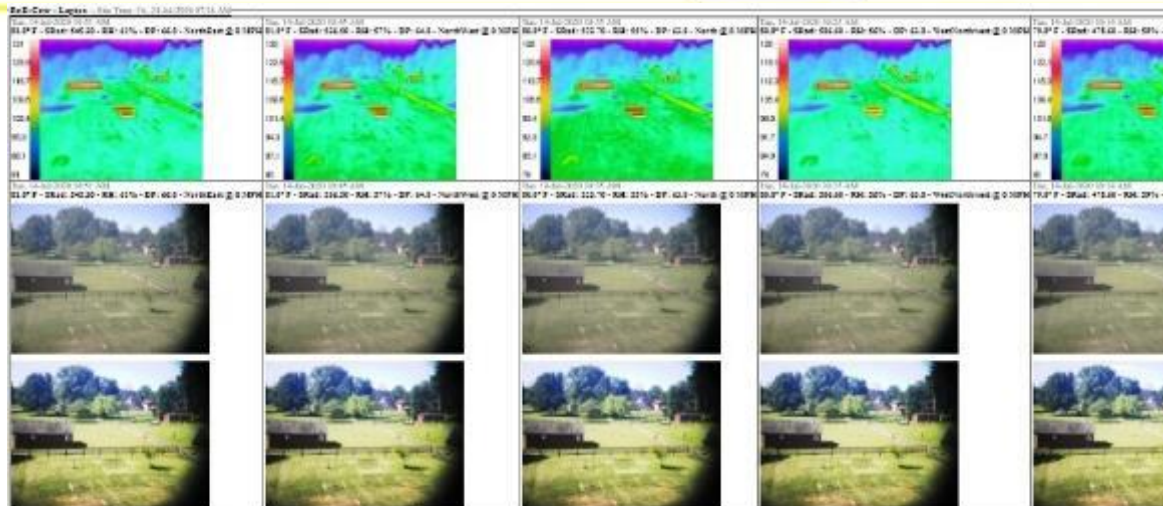
www.itricorp.com

Getting to Hawk-Eye[™] & EYAS Data

Opening Page - one Site



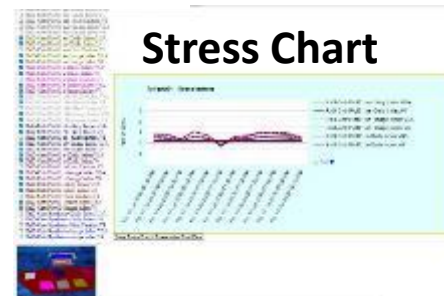
**Real-Time
Image Data
&
Weather**



**Real-Time Radar,
7 Day Weather
& Disease Pressure
Forecast**



Stress Chart



Canopy and Air Temp Chart



Color and Uniformity Chart



Opening Page – Multiple Locations



Hawk-Eye™
Latest Site Images

[Search Image Data Archive](#)

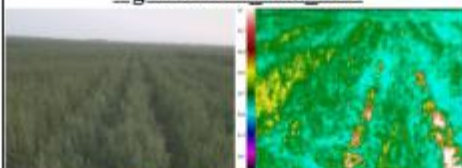
[Set Alerts](#)

[Weather Sites](#)



Ag - Nickels Soil Lab

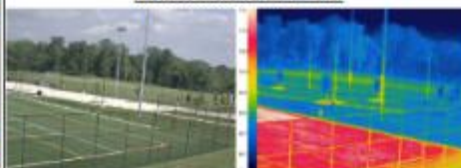
04-Jul-2019 07:11 AM



58.1° F - SPad 76.48 - RH 83% - DP 53.1 - East @ 4.3 MPH

MCMD-Parks - c1

19-Sep-2018 00:31 PM



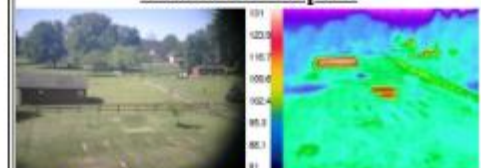
80.1° F - SPad 97.50 - RH 72% - DP 70.2 - ESE @ 0 MPH THI 152

MCMD-Parks - Laytonia

No Images for Site!

RnD-Cntr - Lepton

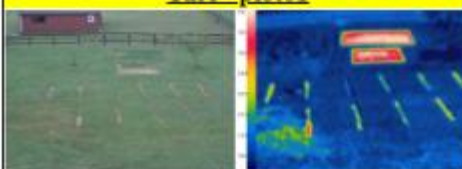
14-Jul-2020 10:51 AM



81.0° F - SPad 545.10 - RH 61% - DP 66.0 - NorthEast @ 0.1 MPH

Turf - plot01

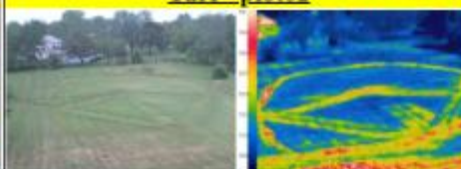
21-Jul-2020 03:54 PM



72.0° F - SPad 0.00 - RH 99% - DP 72.0 - SouthEast @ 0.0 MPH Precip 0.14
THI 171 DE 10010000000

Turf - plot02

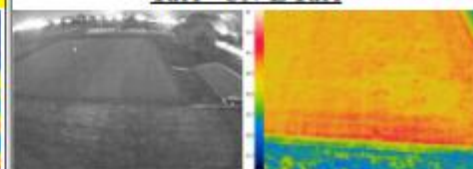
21-Jul-2020 03:54 PM



72.0° F - SPad 0.00 - RH 99% - DP 72.0 - SouthEast @ 0.0 MPH Precip 0.14
THI 171 DE 10010000000

Turf - UN-L Turf

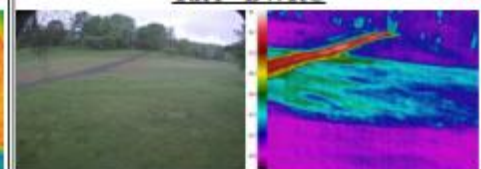
04-Oct-2019 04:06 AM



44.6° F - SPad 0.00 - RH 96% - DP 43.5 - North @ 2.3 MPH

Turf - BWRC

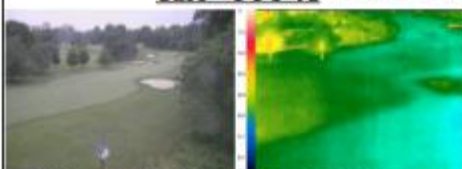
13-May-2018 06:46 AM



61.5° F - SPad 31.57 - RH 96% - DP 62.4 - SE @ 0.0 MPH THI 160

Turf - CCC-01

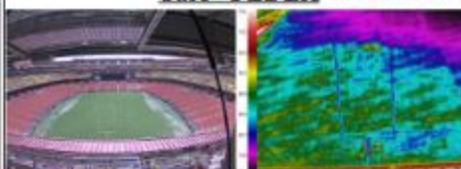
28-May-2019 06:09 AM



70.2° F - SPad 0.00 - RH 95% - DP 65.5 - SSE @ 0.0 MPH THI 155

Turf - FEDEX

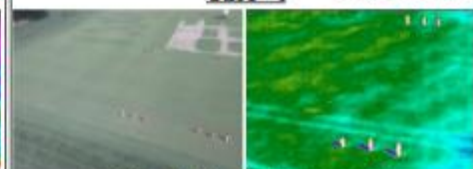
17-Apr-2019 11:10 AM



64.6° F - SPad 774.26 - RH 50% - DP 45.5 - North @ 1.0 MPH

Turf - l

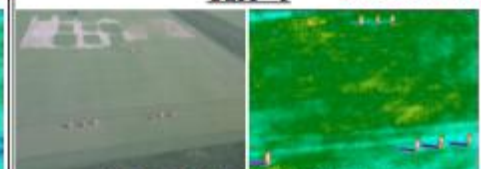
27-Aug-2015 10:17 AM



85.8° F - RH 61% - DP 70.9 - NW @ 6 MPH

Turf - r

27-Aug-2015 10:17 AM



85.8° F - RH 61% - DP 70.9 - NW @ 6 MPH

3. Open the Area Selection Tool [...].



5. Draw your polygon _____
6. save it with a short name

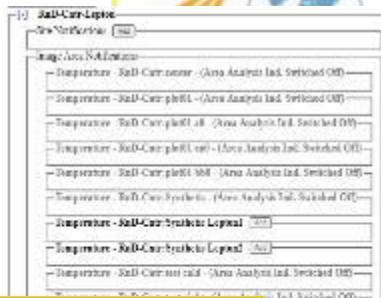
- If areas were set, all the measurements in the designated areas will be there.
- If no areas were set the image data and corresponding weather data will be there.

- If areas were set, all the measurements in the designated areas will be there.
- If no areas were set the image data and corresponding weather data will be there.

You can set up alerts for your designated measurement areas.

Setting Alerts

Opens Areas for Selection



Hawk-Eye™
Latest Site Images

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Turf-Plot01 - Temperature Above: Red-Cent-Plot01-aa
Area Notification (Non-Temporary)
To receive alerts click: Trigger On: alert: on

Criteria: (1)

Trigger On: (Value Period) ?

Average value is maintained for: (Value Period) ?

Schedule: ☐ Always ☐ Between (Time) ☒ Between (Solar)

(1) Not Active between: Hr and Hr

Notify: Minutes

Drop Down Menu for Alert Criteria

Turf-Plot01 - Visual Area: Red-Cent-Plot01-aa
Area Notification (Non-Temporary)
To receive alerts click: Trigger On: alert: on

Criteria: (1)

Trigger On: (Value Period) ?

Average value is maintained for: (Value Period) ?

Trigger On: (Value Period) ?

Schedule: ☐ Always ☐ Between (Time) ☒ Between (Solar)

(1) Not Active between: Hr and Hr

Notify: Minutes

Visual - RnD-Cntr:1-aa <input type="button" value="Add"/>										
	Trigger On	When	Value	Value Period	Schedule	Notify	Re-Notify Threshold	Notify Subject	Notify Comment	Last Notificat
Edit	Hue - SD	Greater Than or Equal To	0	120 min	Between Solar Noon and Solar Noon +2 hr.	j.etro@turf-vu.com	600.00 Min.	Plot 1-aa Lepton Uniformity and Color		Mon, 29-Jun-2020 (
	Hue - Avg	Greater Than or Equal To	20	120 min						

Alerts are Set

Visual - RnD-Cntr:1-bb <input type="button" value="Add"/>										
	Trigger On	When	Value	Value Period	Schedule	Notify	Re-Notify Threshold	Notify Subject	Notify Comment	Last Notifica
Edit	Hue - SD	Greater Than or Equal To	0	120 min	Between Solar Noon and Solar Noon +2 hr.	j.etro@turf-vu.com	600.00 Min.	Plot 1-bb Lepton Uniformity and Color		Mon, 29-Jun-2020 (
	Hue - Avg	Greater Than or Equal To	20	120 min						

Visual - RnD-Cntr:Plot01 <input type="button" value="Add"/>										
	Trigger On	When	Value	Value Period	Schedule	Notify	Re-Notify Threshold	Notify Subject	Notify Comment	Last Notificati
Edit	Hue - SD	Greater Than or Equal To	0	120 min	Between Solar Noon and Solar Noon +2 hr.	j.etro@turf-vu.com	600.00 Min.	Plot 01 Lepton Uniformity and Color		Mon, 29-Jun-2020 01
	Hue - Avg	Greater Than or Equal To	20	120 min						

Alerts go to phone(s) and/or e-mail(s)

Using Archive



[+] Search Criteria

Site Selection

Site	Min Date-Time ±	Max Date-Time ±	Timezone
<input type="radio"/> Ag - Nickels Soil Lab	Fri, 01-Jun-2018 03:01 AM	Wed, 04-Jul-2018 07:11 AM	US/Pacific
<input type="radio"/> MCMC-Parks - e1	Thu, 13-Sep-2017 11:59 AM	Wed, 19-Sep-2018 00:31 PM	US/Eastern
<input type="radio"/> RnD-Cntr - Lepton	Fri, 04-May-2020 11:09 AM	Tue, 14-Jul-2020 10:51 AM	US/Eastern
<input checked="" type="radio"/> Turf - plot01	Fri, 19-Sep-2017 11:59 AM	Wed, 22-Jul-2020 03:54 PM	US/Eastern
<input type="radio"/> Turf - plot02	Tue, 19-Sep-2017 11:59 AM	Wed, 22-Jul-2020 03:54 PM	US/Eastern
<input type="radio"/> Turf - UN-L Turf	Mon, 04-Jun-2018 11:29 AM	Fri, 04-Oct-2019 04:06 AM	US/Central
<input type="radio"/> Turf - BWRC	Thu, 11-Jan-2018 06:19 AM	Sun, 13-May-2018 06:46 AM	US/Eastern
<input type="radio"/> Turf - CCC-01	Tue, 12-Mar-2019 06:25 AM	Tue, 28-May-2019 06:09 AM	US/Eastern
<input type="radio"/> Turf - FEDEX	Sat, 06-Apr-2019 06:32 AM	Wed, 17-Apr-2019 11:20 AM	US/Eastern
<input type="radio"/> Turf - 1	Fri, 24-Aug-2018 03:36 PM	Mon, 27-Aug-2018 10:27 AM	US/Central
<input type="radio"/> Turf - r	Fri, 24-Aug-2018 03:36 PM	Mon, 27-Aug-2018 10:27 AM	US/Central

Image Selection (Date/Time is relative to the Site timezone)

Image Type: ☒ Temperature - ☒ Visual

Date Range: Min Tue, 19-Sep-2017 - Max Wed, 22-Jul-2020

☒ On ☐ Between ☐ Through ?

Time Range:

☒ Closest (after) or between:

AM PM and AM PM

☐ +/- Hrs from [Solar Noon ▼]

[1] Hrs. (-) < Solar Noon > (+) [1] Hrs

☐ Return Analysis Datafile Only (no images)

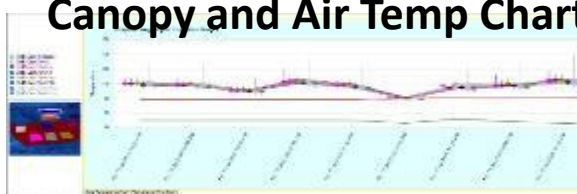
Search - Result Layout: ☒ Time Across - ☐ Time Down

Get Results

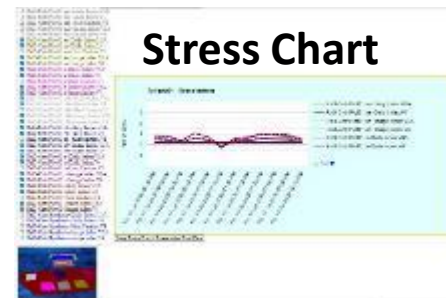
Charts and/or Download Data CSV Files



Canopy and Air Temp Chart



Stress Chart



[Send results as an e-mail link to Colleagues](#)