# 7 Use Cases of TerrAvion Overview

## 1. Identify Irrigation Leaks

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

Detect loose or missing emitters early on
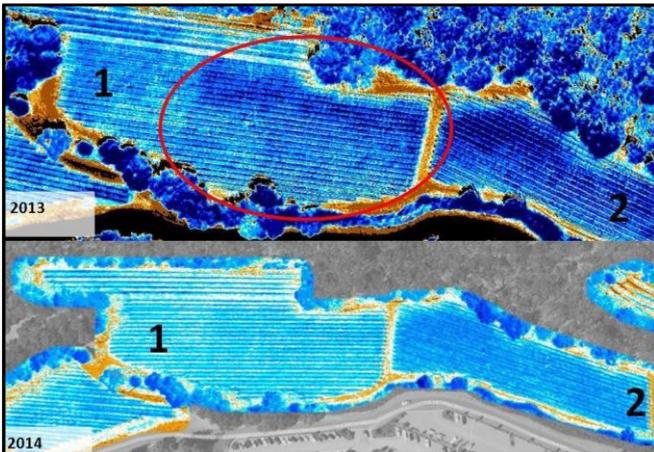


## 2. Use NDVI to make harvest zones

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

Ensure a harvest of more uniform quality



## 3. Redesign irrigation blocks to be able to irrigate different sections differently

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

Make improvements to uniformity by irrigating precisely where needed, when needed
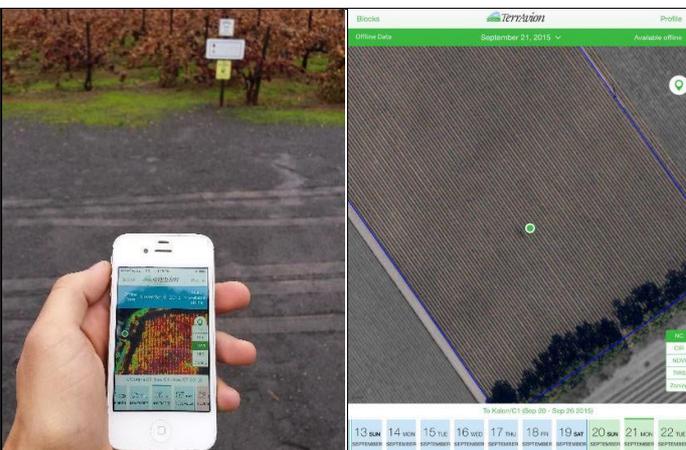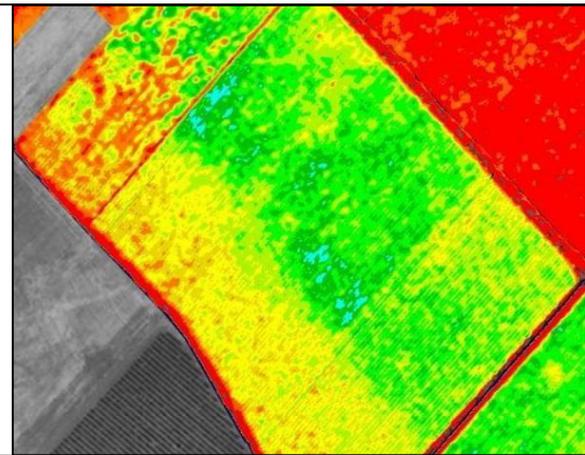


## 4. Take maps with you

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

View your GPS location in the image and save imagery directly to your device

## 5. Identify and estimate how much compost or fertilizer inputs are needed

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     |     |     |     |     |     |     |     |     |     |     |     |

Have confidence when ordering quantity and precision in application

0.57 acres
0.23 hectares
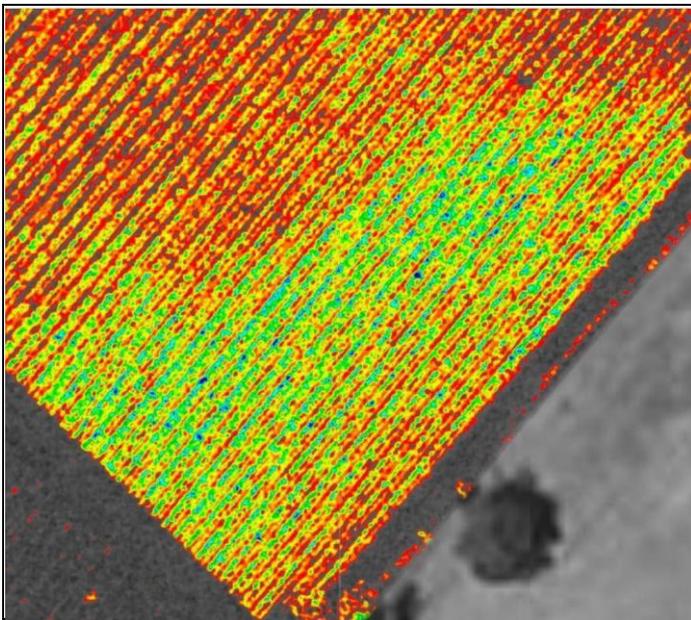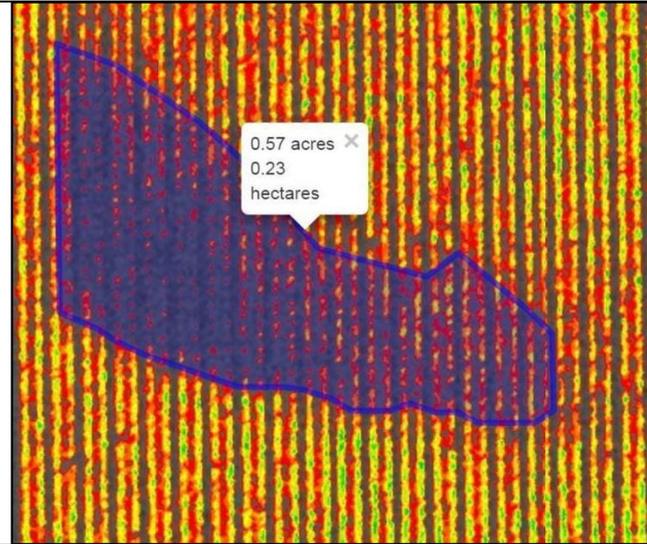
## 6. Monitor high-vigor areas for good ventilation and check for fruit mold or powdery mildew

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     |     |     |     |     |     |     |     |     |     |     |     |

Ensure scouts check the area you want them to

## 7. Analyze block data. Study plant responses (by block) to climate, irrigation, cultivation practices, and fertility inputs

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     |     |     |     |     |     |     |     |     |     |     |     |

Make sense of that season's harvest. Compare block performance

Avg Temp

Canopy Mean Vigor

high_vigor_mean

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