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If you choose SIGN IN, you will be asked for your registered phone number. This will log you directly into your FIELDS DASHBOARD.

If you choose SIGN UP, you will start configuring a new user (see page 8).
SIGN IN SCREEN

Type in the phone number that you entered during the SIGN UP process.

Then click SIGN IN – you will be logged into your fields, with no further configuration stages.
SING UP - PERSONAL DETAILS

Fill in your name, e-mail address and phone number. Note that your phone number will function as your login code.

Once you have entered all the information, click NEXT.
SIGN UP - USER SETTING

Choose your preferred language.

Choose either METRIC or US measurement units. Note that you can change the unit type after configuring your field.

Choose your preferred measurement units for the presentation of irrigation recommendations. Note that you can change the unit type at any time after configuring your field.

Choose the time at which you will receive a daily log-in reminder.

Once you have completed all, click DONE.
FIELD CREATION

Click CREATE NEW FIELD to start.

HELLO FARMER!
LET'S GET STARTED
FIELD SETUP: SCREEN 1 - GENERAL INFORMATION

Name your field.

Define its location (page 9).

Define its planting date (page 10).
The Field Location screen will open to your current location. If you are in that field, click the check mark in the upper right part of the box.

If you do not want to configure the field at your current location, drag your cursor to the location of the field that you want to configure.

Alternatively, you can type in the location of the field that you want to configure.
Choose your planting date by scrolling the month and date indicators up/down and scrolling the year indicator left/right.

Recommendations and data logging will be made available from the configuration date on.

The app will calculate the stage of your corn crop based on your chosen planting date.

If you choose a future date, the app will offer recommendations only from the planting date on.
Once you have entered all the information, click NEXT.
Choose the purpose of the crop you are growing; this choice will affect the app’s decision making throughout the entire irrigation period.

Choose the length of time the crop will be in the field from planting to physiological maturity (black layer); based on your choice, the app will determine the GDD/GDU class of your corn, and decide the length of each crop stage (e.g. V1, V2, V3, R1, R2).

Choose one of five options that best describes your soil texture; your choice will indicate the soil’s water-holding capacity, and help the app decide the required interval between irrigations.

Once you have entered all the information, click NEXT.
Choose information regarding your drip irrigation system.

Your choice will enable the app to calculate the system’s hourly application rate, required water quantity and optimal time, and then presents its recommendations in HOURS/SHIFT.

After choosing all four parameters, click NEXT.
FIELD SETUP: SCREEN 4 – CROP STAGE

This screen indicates your current crop stage.
The stage calculated based on your planting date (see SCREEN 1.2 - PLANTING DATE) is the default stage.

Until this point, the indicated crop stage is based only on the days after planting, without taking GDD (growing degree days) accumulation into consideration. Once the app is configured, the crop stage will be calculated and presented based on GDD.

Use the < > buttons to adjust the crop stage to your actual stage.

Ensure that the crop stage matches the indicated description.

For greater accuracy and higher crop-stage resolution, you can use the bar at the bottom of the screen. The default is: BEGINNING.

After choosing your crop’s current stage, click DONE.
FIELD SETUP: SCREEN 5 – SOIL-MOISTURE STATUS

Indicate the current soil-moisture status in your field. This screen indicates whether your soil at the relevant profile depth is dry or wet.

Depending on your choice, the app will recommend the initial irrigation for achieving a fully-wet soil profile.

For each of the 3 soil layers, choose its current moisture level (from very wet to very dry).

Soil layers will be exposed in gradate. The choice can be changed at any time.

For further information on moisture measurement, click SEE INSTRUCTIONS.

Once completed, click NEXT.
In order to determine the moisture status of your soil:

- Use a shovel or earth drill to dig to 50 cm depth, and feel the soil with your hand.
- If you can form a solid and sticky ball and ribbon from the soil, it is wet.
- If the soil crumbles, it is probably dry.

Click on the link to see a video tutorial.
https://www.netafim.com/crop/corn/video-tutorial
After the field is completely set up, it will be added to the dashboard. Then you will be able to create a new field or keep working with the existing ones.
This screen summarizes the main details of all your fields and allows you to update and report the irrigation and precipitation events.

Additionally, you can view a weekly irrigation program or go deeper into each field for more specific and detailed view.

This screen functions as the main working screen. You can use it to change the app or user settings, to share fields and to create a new field.
FIELDS DASHBOARD: 1

User menu

Field name

Daily irrigation instructions

High-resolution view of field

Create a pin code for your field and share your field data with another user.

Weekly irrigation plan
Daily irrigation instructions options:

- **Irrigation is needed today**
  - Click REPORT to report the daily irrigation and precipitation

- **Daily irrigation has already been reported**
  - UPDATE is possible

- **Daily irrigation instructions are not available due to missing reports**
  - Click COMPLETE to enter missing data and to enable daily recommendations
Irrigation – Report the number of irrigated hours (or other units, based on personal preference) for the day by scrolling left/right or by typing in the value. The screen’s default will include the current recommended irrigation value for in your field.

Rain - Report the day’s amount of rain (in mm/inches) – not hours of precipitation – in your field. The app indicates rain events in your field, and suggests, as a default, an estimated number of mm/inches of rainfall. Rain efficiency for irrigation will be calculated using a “rain-efficiency algorithm.”
FIELDS DASHBOARD: 1.1.2 – MISSING REPORTS

Due to a delay of more than 24 hours in reporting irrigation, a detailed view and irrigation recommendations for the field are not available.

Click COMPLETE to report ad hoc irrigation and precipitation events.

The weekly plan is still available (based on your last update).

Update all missing reports by clicking on EDIT.

Once completed, click CONFIRM ALL.
A weekly irrigation plan is not available due to a missing irrigation report from the previous calendar week (ended on Sunday 00:00).

Click COMPLETE to report past irrigation and precipitation events.
On this screen you can see a weekly irrigation plan for your field.

A “week” is defined as from Monday to Sunday.

The weekly plan is a dynamic plan, based on the last reported irrigation.

Click X to close and go back to the FIELDS DASHBOARD.

Last irrigation report.
You can scroll along the timeline to see a 7-day irrigation forecast or previous reports.

When you choose a day on the timeline, it is highlighted in orange and presented at the bottom of the screen.

The icon at the bottom of each day indicates the recommended irrigation.

- Irrigate = ⚫
- Don’t irrigate = ☐

The icon and accompanying recommendations for future days are based on the assumption that the recommendations will be followed.

Once you submit a report of the actual irrigation details, the icon is updated accordingly. Until a report is submitted, the app assumes that you intend to follow the recommendations.
Irrigation frequency depends on your crop stage, soil type and calculated water deficit.

The app has two thresholds for irrigation recommendations:

- Actual evaporation
- Days since last irrigation.

In early crop stages (from planting to V6), the intervals are usually large and can be greater than 7 days, since water evaporation by means of the crop is low.

At later stages, the recommended frequency of irrigation will be higher.

If the soil is sandy, the frequency will be higher than if the soil is heavy.

The app has a maximum threshold of allowed deficit at each stage. The recommendations are based on this figure, together with actual evaporation and the number of days since the last irrigation.
The data bar indicates growth & forecasted weather data:

- **Precipitation**: 0% / 0 MM PERCIPITATION. Precipitation is indicated by chance of rain (%) and expected quantity (mm).

- **ETO**: 5 MM EVAPORATION. ETO - indicates the daily evaporation, calculated by the Penman equation based on raw climate data.

- **Wind**: 5 M/S WIND. Wind speed.

- **GDD**: 7.5 GDD TODAY. The daily GDD (growing degree days) or GDU (growing degree units).

- **GDD Accumulated**: 195 GDD ACCUMULATED. The cumulative GDD (growing degree days) or GDU (growing degree units) since the sowing/transplanting.

- **Irrigation**: Irrigate Today. 8.3 MM. The phenological growth stage.

- **ETC**: 2.7 MM DAILY DEFICIT. ETC – crop evapotranspiration. Calculated by ETO x crop coefficient.

- **Accumulated Deficit**: 30.0 MM ACCUMULATED. Accumulated deficit: An accumulated deficit indicates the deficit, excluding evaporation, of that particular day.
1.3 FIELD HIGH-RESOLUTION VIEW: DRY-WET BAR

The bar indicates current soil moisture status. It will turn red after crossing the calculated irrigation threshold in the middle of the bar. The grey background is the indicator. In this example, the soil moisture is close to being as wet as recommended.
1.3 FIELD HIGH-RESOLUTION VIEW: IRRIGATION RECOMMENDATIONS

This is the recommended action for the selected day.

REPORT DAILY ACTIVITY
The accuracy of the app’s operation and recommendations depends upon your submission of daily reports.

If you don’t submit a report, the app will assume that you intend to follow the recommendations from that point on.

If you submit a report (even if you report that you did not irrigate), the app will take the report into consideration.
1.3 FIELD HIGH-RESOLUTION VIEW: REPORT DAILY ACTIVITY

The report will affect:

- The recommendations for the upcoming days

The dry-wet bar.

Once you submit a report, the main screen will change its configuration, and the REPORT DAILY ACTIVITY button will change color and be replaced by UPDATE REPORT.
When you choose a previous day on the timeline, it will show your activity as reported that day.

In any case, you can update your report.

If you change the report for a previous day, it will affect the timeline from the reported day on.
The forecasted irrigation recommendation is based on the assumption that you will follow the daily irrigation recommendations.
1.4 USER MENU

Use the User Settings screen to reset your personal details and preferences.

By entering a pin code (provided with shared files), you can add an external field to your Fields Dashboard.

Clicking on CONTACT will launch your e-mail application with a default address for contacting Netafim.

Visit our website to learn more about Netafim.
When you reach to phase estimated for discontinuing irrigation, this message will appear.

Click GO TO FIELD to approve or decline termination of irrigation.
IRRIGATION TERMINATION

When the field reaches maturity, it is time to stop irrigating. Go to the field and check the physiological stage of your crop. Click YES if the crop has reached maturity or NOT YET if it hasn’t.

Nothing is final. If necessary, you can click HOLD ON, I’M STILL IRRIGATING, adjust your crop level and the app will continue to deliver irrigation recommendations.

Adjust the crop stage in the app to match the situation in the field, so that the app continues to deliver irrigation recommendations.

If you have any questions or need further assistance, feel free to contact our support team.
IRRIGATION TERMINATION: REPORTING CROP RESULTS

Report your field crop results (weight/surface) by scrolling left/right or typing in the value.

When done, click ✓
IRRIGATION TERMINATION: REPORTING CROP RESULTS

Your reported crop results.

19.00 TON/HECTARE

REPORT CROP RESULTS
Click on the left arrow to go back to the Fields Dashboard.

Settings menu

- UPDATE CROP STAGE | R6
- UPDATE FIELD DETAILS
- SHARE FIELD
- DELETE FIELD

REPORT DAILY ACTIVITY

IRRIGATE TODAY
8.3 MM

50% PERCIPITATION
5 MM EVAPORATION

TODAY
FEB 06
FEB 07
FEB 09

17° - 21°
17° - 21°
17° - 21°
SETTINGS: UPDATE CROP STAGE

Your assumed crop stage

See instructions in:
FIELD SETUP:
SCREEN 4 – CROP STAGE.

Any change will affect the
.crop factor and irrigation
recommendations for both
today and the forecasted days.
You can change any of these parameters at any time. This may affect the irrigation intervals and durations.
SETTING: SHARE FIELD

Create a pin code for your field and share your field data with another user.
Deleting the field will delete all field data.
GROW MORE WITH LESS
WWW.NETAFIM.COM