

Example Conversations

Conversation 1 – New user (account linking + basic usage)

Farmer: **Maria Stan** (`username: "maria.stan"` , currently **not linked** , `phone: null` in `farmers.json`)

Runtime phone number (from WhatsApp): `"+40743333333"`

Step 1 – First contact & linking

User (`+40743333333`):

Hi

Bot:

Welcome to the CO2 Angels Farm Assistant! Your phone number is not linked to an account yet. Please type your username to link your account.

User:

`maria.stan`

Bot:

Great, Maria! Your account has been linked to `+40743333333`. You can now ask about your parcels, for example: "Show me my parcels" or "How is parcel P7?".

Step 2 – List parcels

User:

Show me my parcels

Bot:

You have 2 parcels:

- P7 – Valley Field (9.9 ha, Rapeseed)
- P8 – Orchard Strip (3.8 ha, Apples)

Step 3 – Parcel details

User:

Show details for parcel P7

Bot:

Parcel P7 – Valley Field

- Area: 9.9 ha
 - Crop: Rapeseed
 - Latest indices (2025-04-22):
 - NDVI: 0.60
 - NDMI: no value available for this date
 - NDWI: 0.22
 - SOC: 2.3
 - Nitrogen: 1.05
 - Phosphorus: 0.44
 - Potassium: 0.74
 - pH: 6.9
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Step 4 – Status summary (rule-based)

User:

How is parcel P7 doing?

Bot:

Parcel P7 – Valley Field looks in good condition:

- Vegetation is healthy (NDVI \approx 0.60).
 - Soil pH is around 6.9, which is suitable for most crops.
 - Nitrogen and other nutrients are at reasonable levels, but should continue to be monitored.
- Overall, the field is performing well at the last measurement (2025-04-22).
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Step 5 – Set report frequency

User:

Set my report frequency to weekly

Bot:

Got it! I'll prepare a parcel summary for you every week based on your latest available data.

Conversation 2 – Existing linked user (no onboarding)

Farmer: **Ana Popescu** (id: "F1" , username: "ana.popescu" , phone: "+4074111111" already linked)

User (+4074111111):

List my parcels

Bot:

Hi Ana! You have 5 parcels:

- P1 – North Field (12.3 ha, Wheat)
- P2 – South Slope (8.7 ha, Maize)
- P3 – East Meadow (5.5 ha, Alfalfa)
- P4 – West Terrace (10.0 ha, Sunflower)
- P5 – River Plot (6.1 ha, Soybean)

User:

Show details for parcel P1

Bot:

Parcel P1 – North Field

- Area: 12.3 ha
- Crop: Wheat
- Latest indices (2025-05-15):
 - NDVI: 0.68
 - NDMI: 0.32
 - NDWI: 0.25
 - SOC: 1.7
 - Nitrogen: 0.70
 - Phosphorus: 0.32
 - Potassium: 0.58

- o pH: 6.4
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User:

What's the status of P1?

Bot:

Parcel P1 – North Field is in good shape:

- NDVI is 0.68, indicating strong vegetation.
 - Soil moisture (NDMI) is moderate, and water index (NDWI) is acceptable.
 - Soil nutrients (N, P, K) are adequate, with a near-neutral pH of 6.4.
- Overall, the parcel looks healthy at the last measurement (2025-05-15).
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User:

Set my report frequency to daily

Bot:

Okay! I've set your report frequency to daily. I'll include all 5 parcels in your daily summary.