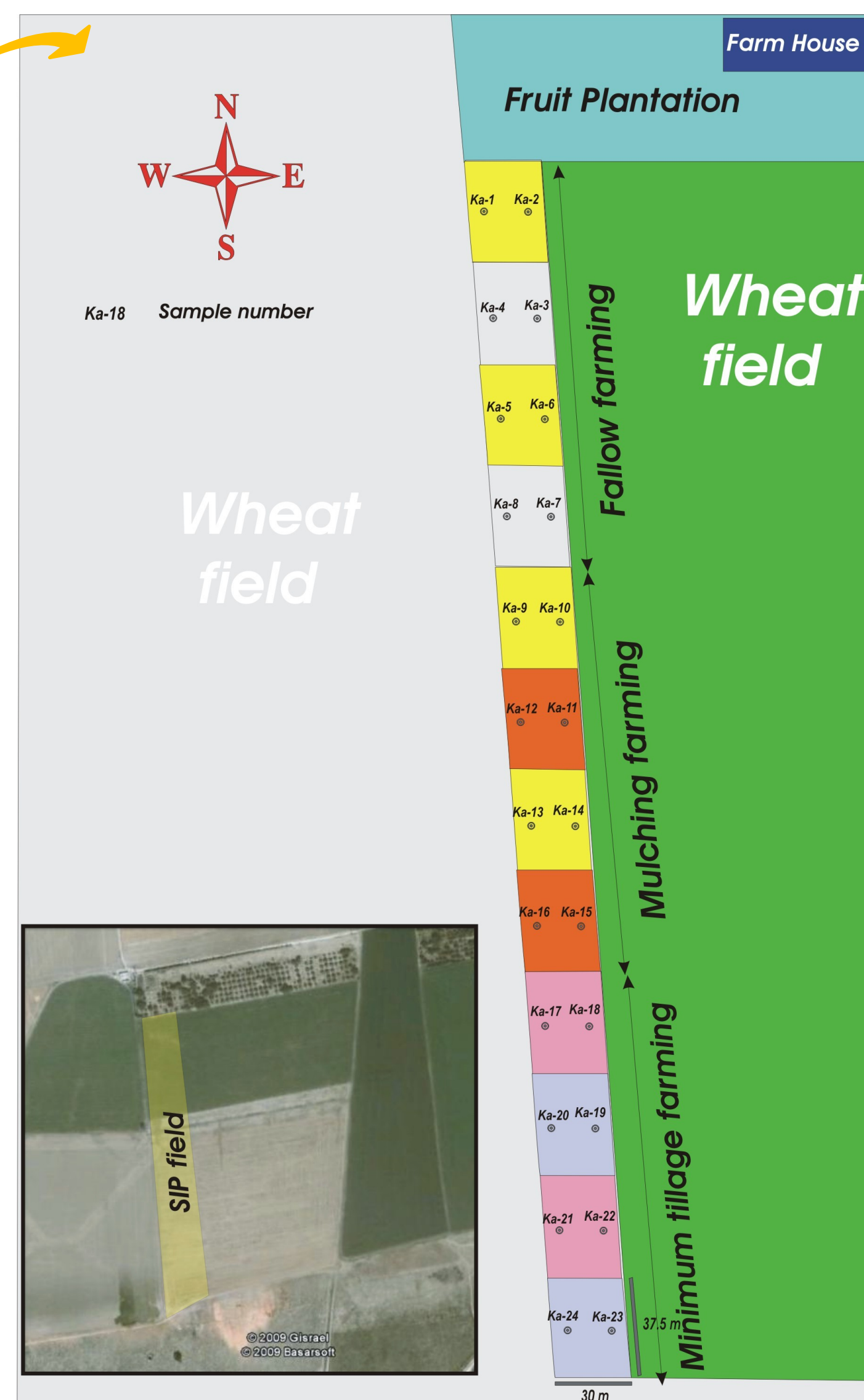


Implementation of selected technologies in Karapınar study site, TURKEY

The study site is generally considered an area that is the most prone to the wind erosion in Turkey. But after the import of drilling technology by farmers of the region this problem in croplands are greatly reduced though the same problem still persists in very poor pasturelands.

Our proposed SIP area very close to the Apak Yayla settlement is an irrigated cropland with **low organic matter** content and prone to **wind erosion** due to **unfavourable texture of soil**. Soils are typically **thin (25-30 cm)** and sand grade with very low clay and organic matter content.



Three technologies were implemented in the SIP area in the light of WB3 meetings ;

1. Minimum tillage
2. Mulching
3. Fallow

Modes of implementation;

- For each technology, we selected four 30 m x 37.5 m sized rectangular parcels lined up in N-S (dominant wind direction).
- In the implementation of each technology, two strips were left for fallow. These fallow strips will be used as control parcel.
- Coming year these fallow parcels will be crop land and visa versa.

Achivements done;

- Soil sampling (24 samples)
- Soil analysis (elemental, organic matter, pH, EC, texture)
- Soil thickness (35 cm)
- Daily meteorology measurements are provided for 2005-2007 period
- Ploughing, seeding (wheat for bread) and fertilizer and pestisite application done



View of the southern half of the SIP area.

Future Monioring;

- Regular soil surface assessment
- Crop charectaristics
- Malch cover fraction
- Crop growth and health characteristics
- Surface roughness observation
- Applied irrigation amounts
- Agronomic measurements
- Yield assessment

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