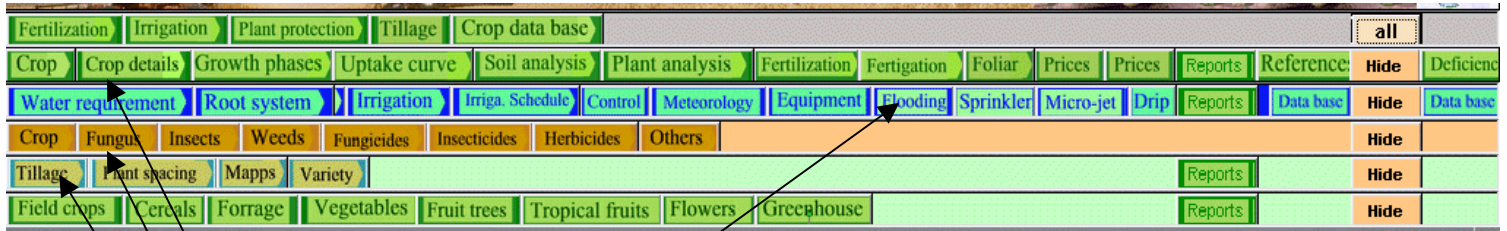




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“Crop-feed.exe” the irrigation , fertilization and plant protection software

The crop-feed software
 Is a very wide platform covering
 More than 500 different crops
 (field-crops, cereals, vegetables,
 orchards, tropical trees ,flowers
 and forage) growing on a wide
 range of soil type, climate .
 using different irrigation method ,
 and at different levels of yield ,method
 soil analysis ,type of fertilizers and
 method of application.



The software is proposing 4 different domains widely treated:
 -1 the fertilization
 -2 the irrigation
 -3 the plant protection
 -4 the tillage and soil management



the all supported by several data base on soils, climate ,nutrients requirements,
 fertilizers ,prices , pathogens like insect , fungus, Weeds and offering as well a data
 bank of pesticides commonly used in market.

The menu is offering a different bar for each of this 4 domains and offering as well
 the option of fast or detailed approach .



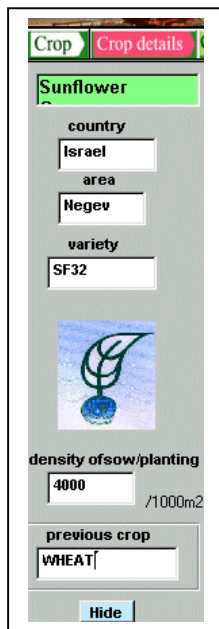
1- Fertilization



Step 1: we decide wich crop segment



Step 2 – we decide which crop

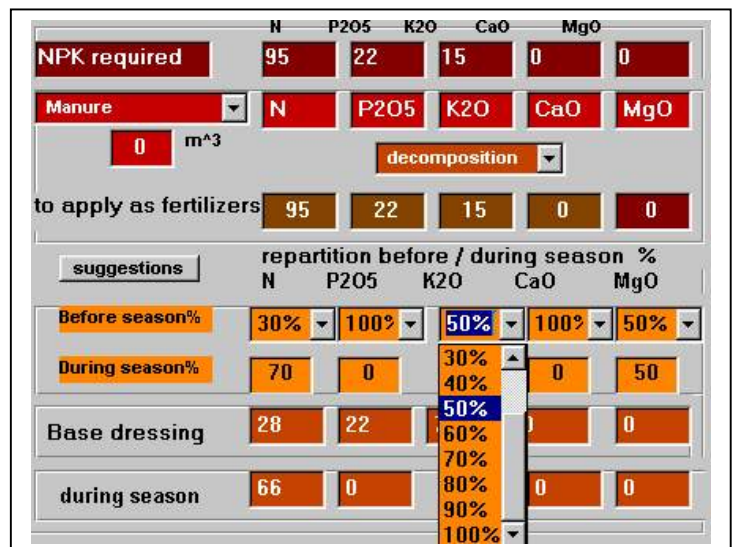
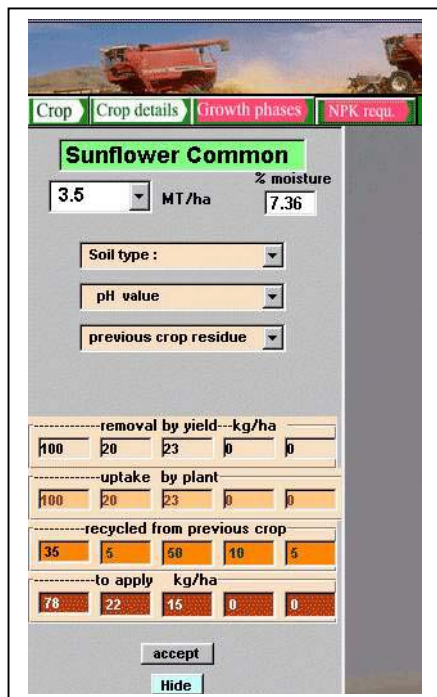


Step 3 - filling details on crop



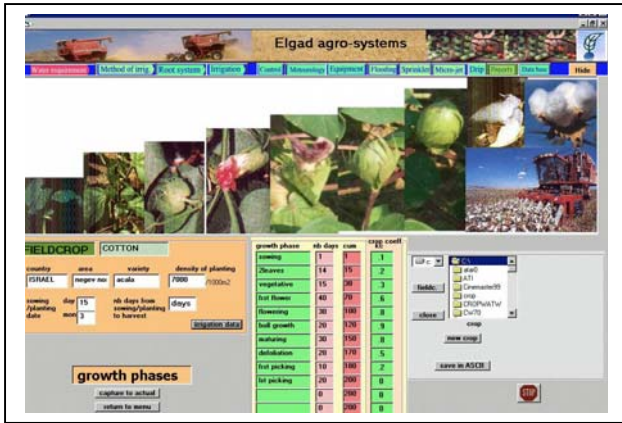
step 4: growth phases : (date of sowing/ no days for each phase .. a default option is proposed)

step 5 : depend on yield expected we shall have an estimation of nutrients required and if we use the fast option some basic parameters

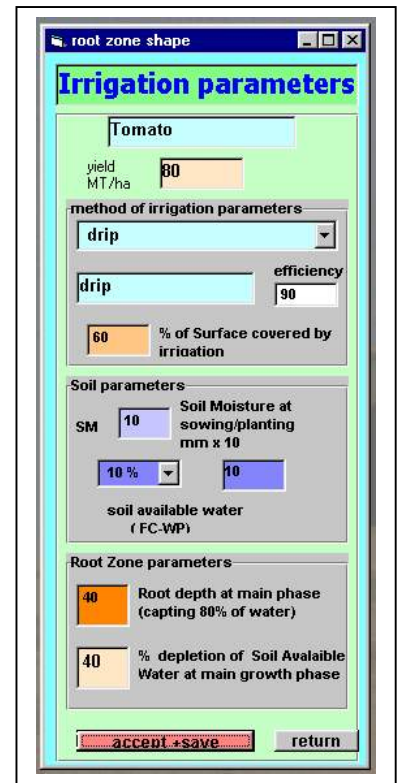


step 6 : after we know the amount of nutrients to apply we shall divide the amount before and during season

2- Irrigation



Step 1: which crop and Kc per growth phase



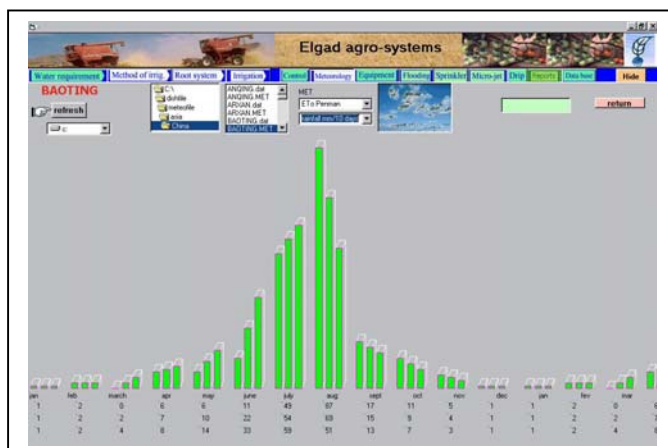
Step 2: root zone and soil parameters



Step 3: irrigation program per growth phase adapted to area and climate in region decided

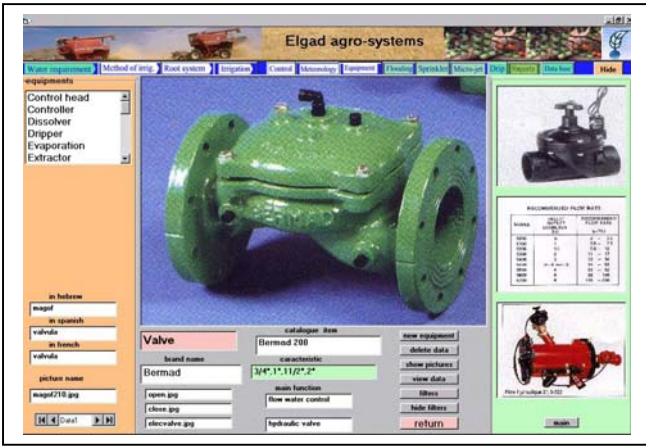


Step 4: Irrigation schedule with doses and irrigation cycles adapted to our soil and irrigation method

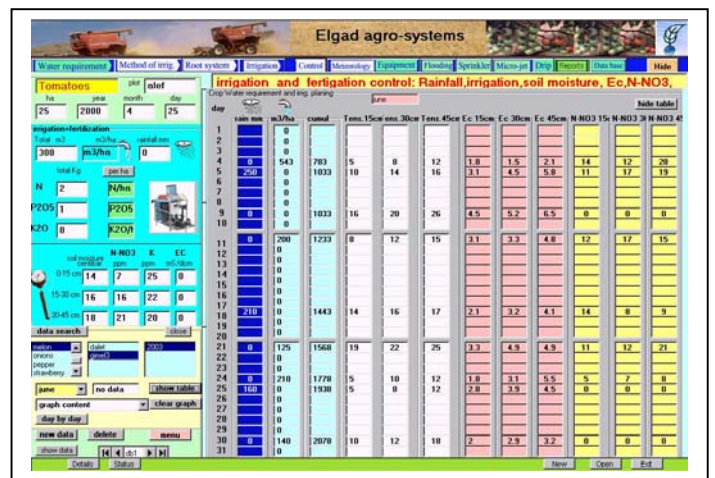


Data on ET0mm .rainfall .radiation. temp...

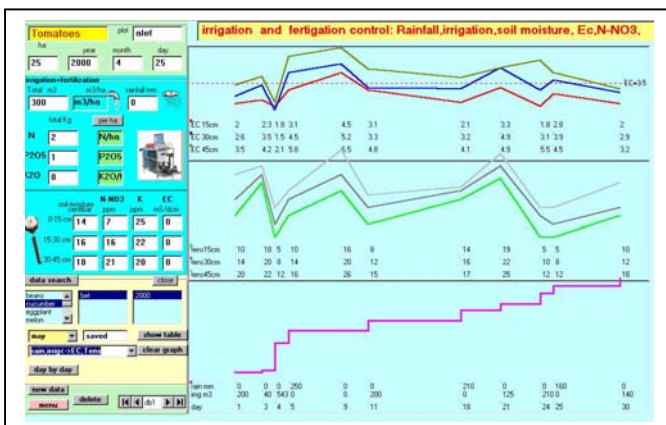
Using a world wide meteorological data base with more than 4000 stations on five continents



Data base on Irrigation equipment: main types of pumps , valves , emitters, filters and irrigation accessories.



Daily data recording on irrigation and fertilization

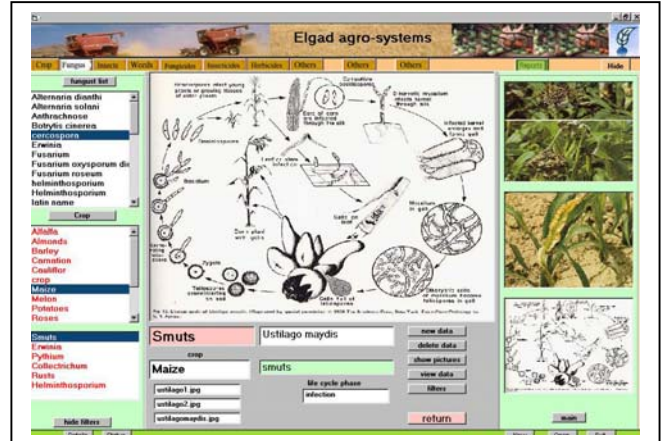


Based on this records ,we have also a monitoring of this water and nutrients level in soil

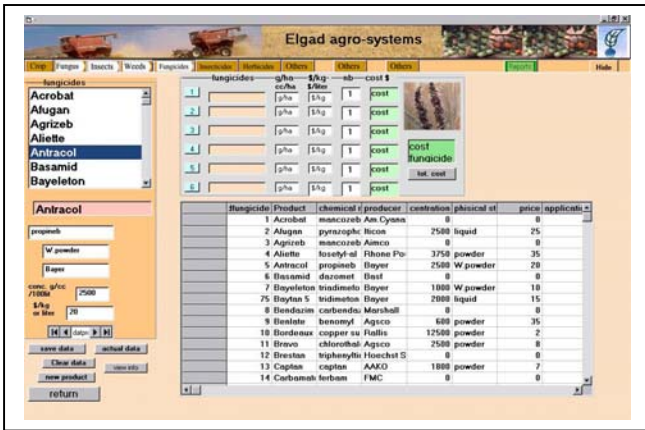
3- crop protection



Data base on main diseases and fungus



Including details on life cycle



And fungicides in use including doses



Data base on main insects and pathogens

