



BioKenaf

Biomass Production Chain and Growth Simulation Model for Kenaf

Contract No: QLK5-CT2002-01729

WP2. Adaptability and Productivity Field Trials

Task 2.2 _ 2.3

www.agrsci.unibo.it/dista/index.htm



University of Bologna

<http://www.unibo.it>



The University of Bologna is the oldest in the Western World. We might even say the oldest in the world if we accept the premise that the term "University" may be applied not merely to a generic school but to a place of advanced study which has continued its role uninterrupted through the ages.

Organisation

Faculties	19
Departments	67
Teachers	3071 (year 2002)
Students	99279 (year 2002)



DiSTA organization

- Agronomy area
- Chemistry area
- Entomology area
- Microbiology area
- Phythopatology area

- ◆ Agrometeorology and agricultural ecology
- ◆ Conservation of soil fertility
- ◆ Biology and field crop science
- ◆ Plant breeding
- ◆ Seed biology, technology and production
- ◆ Soil plant-atmosphere system;
- ◆ Weed science

GRiCI (Research Group on Industrial Crops)

Involved staff



G. Venturi

M.T. Amaducci

Full professors

L. Barbanti

G. Pritoni

Permanent scientific and technical staff



A. Vecchi

L. Vannini

P. Bonatti

S. Amaducci

M. Donatelli

P. Venturi

Scientific staff outside DiSTA

L. Rapparini



S. Vecchi

Collaborating technical staff

M. Grigatti

A. Monti



N. Di Virgilio

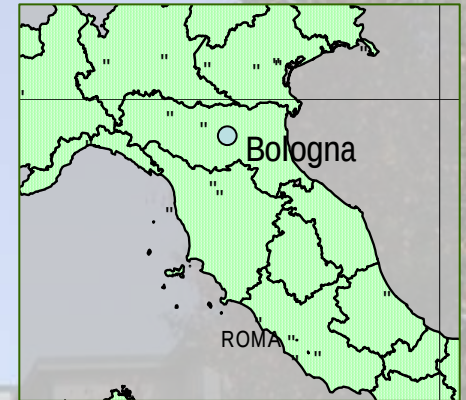
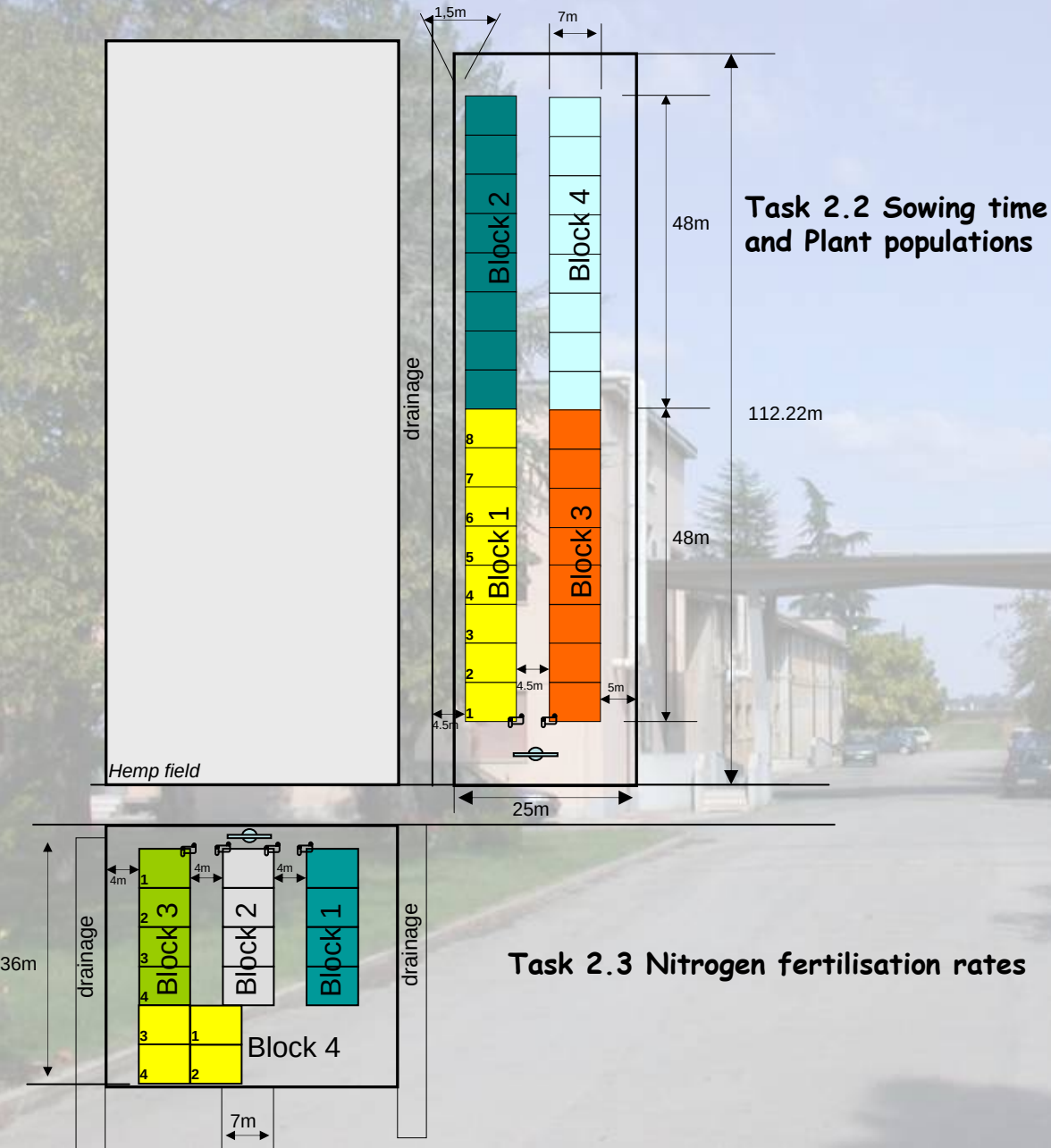
A. Zatta

F. Pelatti

M. Tabarroni

Temporary scientific staff

Experimental Farm of Bologna University Cadriano (BO)



Site description

coordinates:

44° 33' N, 11° 21' E

altitude: 32 m a.s.l.

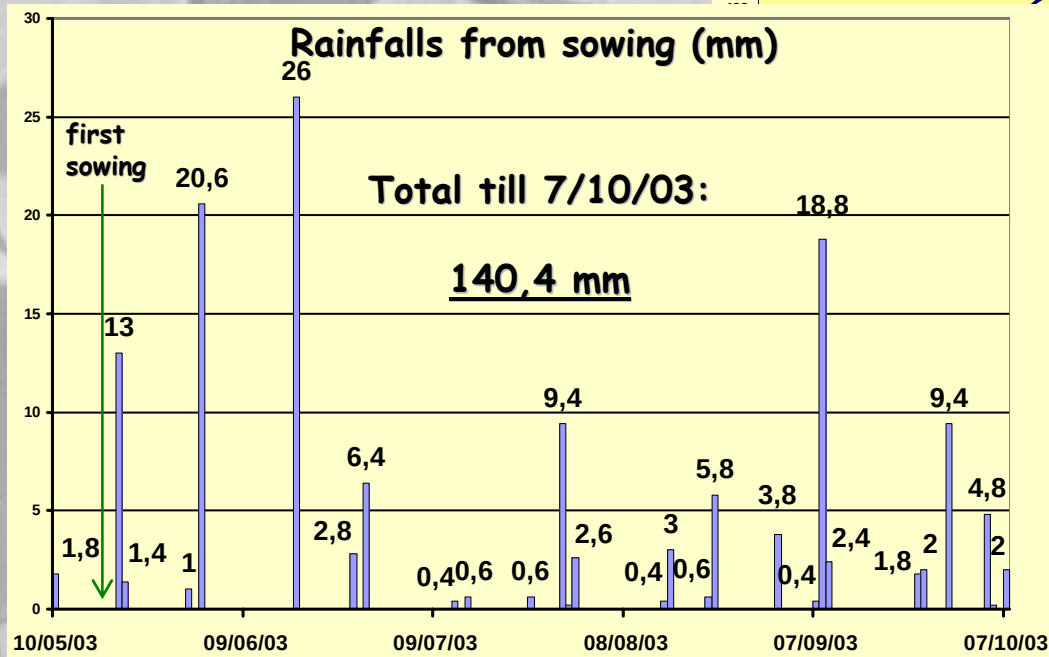
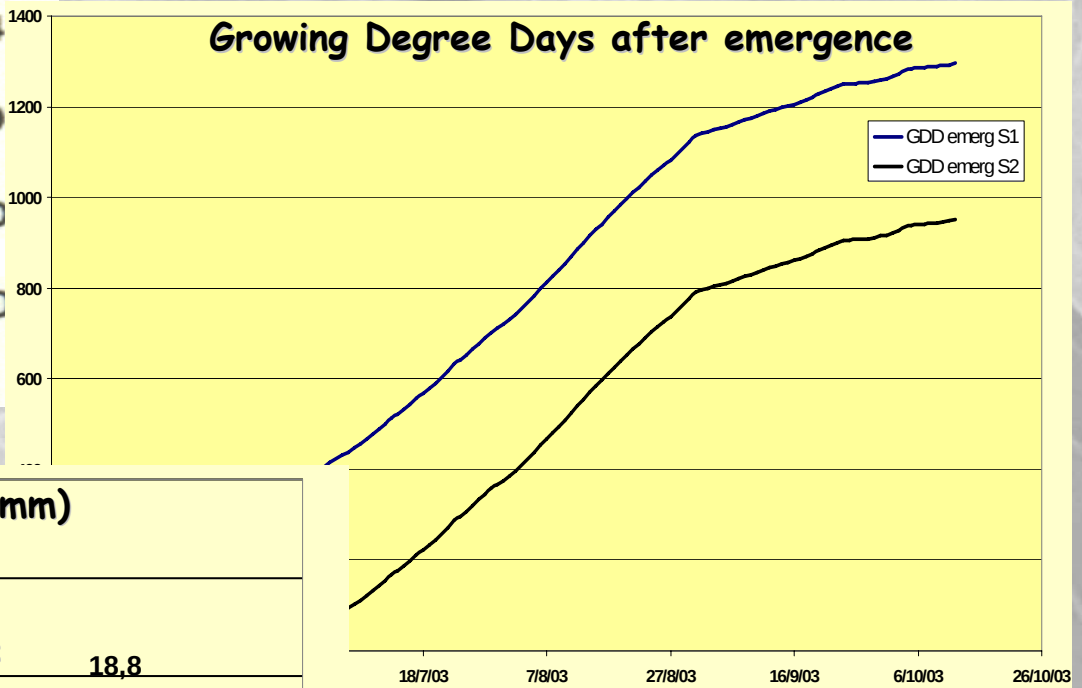
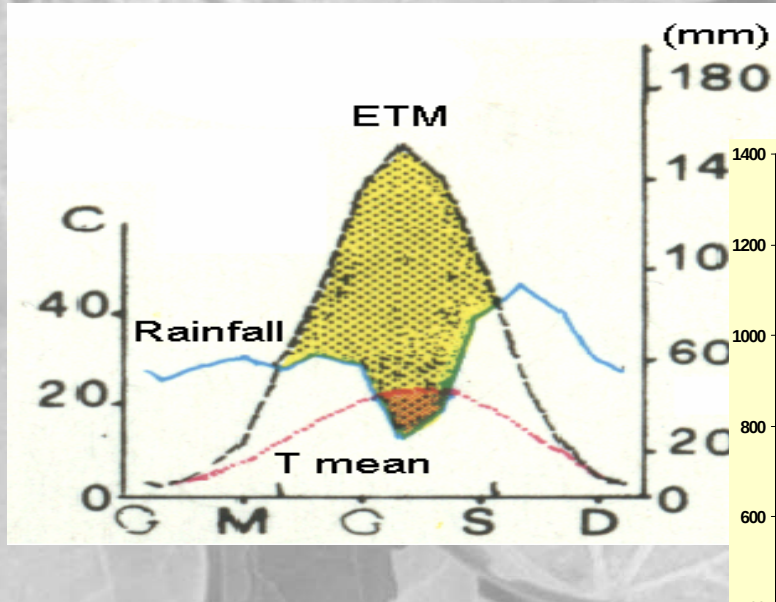
soil_typology:

Udic Ustochreps fine silty, mixed mesic

pH = 7.14

organic matter = 1.9%

Climatic condition



Experimental layout Task 2.2 Sowing time and Plant populations

Complete randomized blocks

S1: First sowing time

S2: Second sowing time

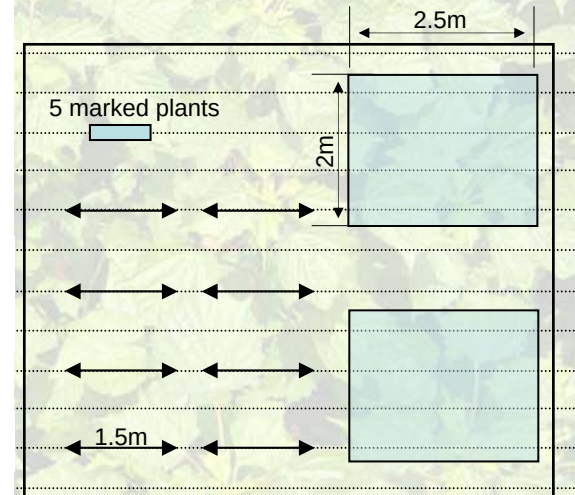
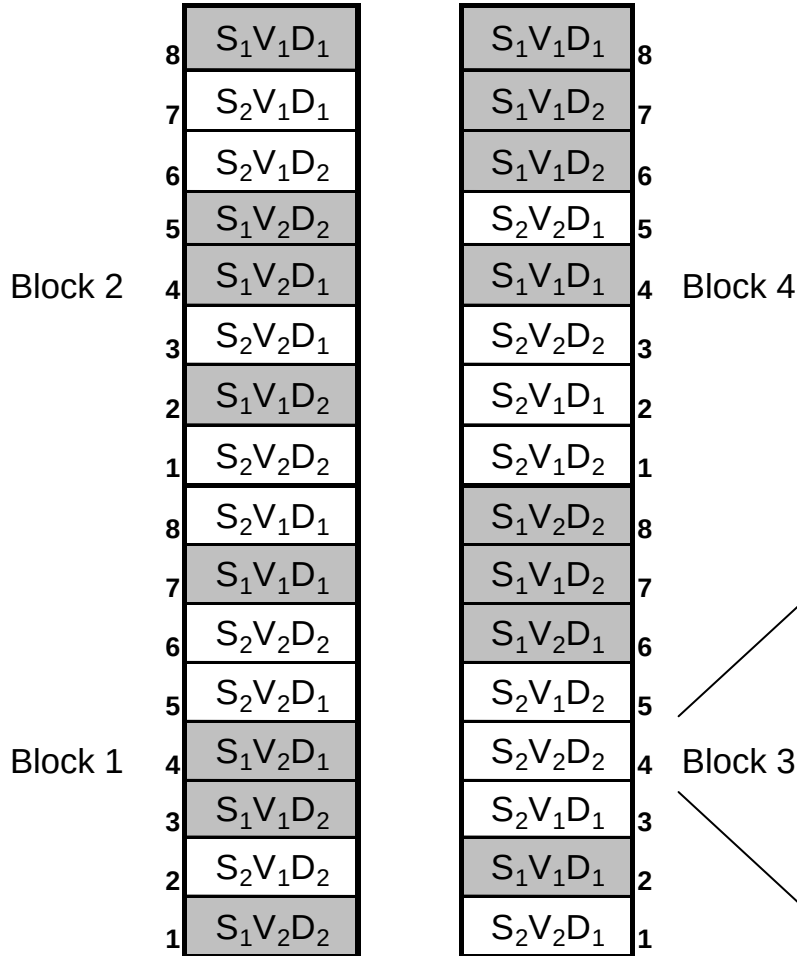
V1: TAINUNG2

V2: EVERGLADES41

D1: 20 p/m²

D2: 40 p/m²

first sowing time



The size of each plot is 6X7m (42 m²)

The distance between the rows is 50 cm

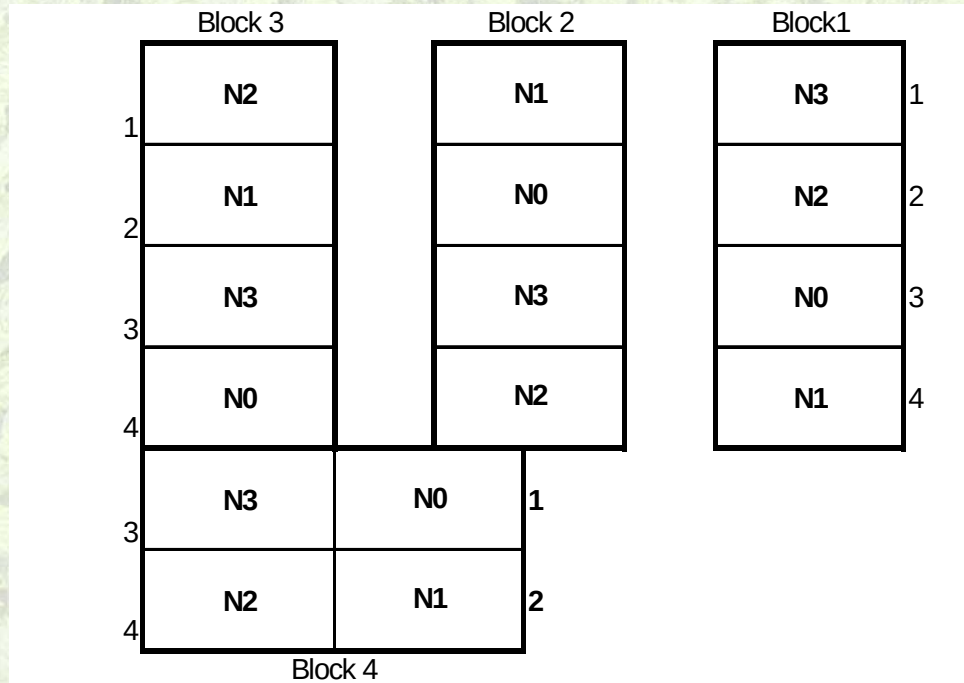
The distance within the rows is 5 cm for D40 and 10 cm for D20

12 rows for each plot

Experimental layout Task 2.3 Nitrogen fertilisation rates

10/10/03

Complete randomized blocks



genotype: Dowling

density: 20 plant/m²

N0: no fertilization

N1: 50 kg N/ha

N2: 100 kg N/ha

N3: 150 kg N/ha

The size of each plot is 6X7m (42 m²)

The distance between the rows is 50 cm

The distance within the rows is 10 cm

12 rows for each plot

Sowing, Emergence and Thinning out operations

19/05/2003 Sowing of Task 2.2 S1

24/05/2003 Emergence of Task 2.2 S1

5/06/2003 Thinning out of Task 2.2 S1

19/06/2003 Sowing of Task 2.2 S2

27/06/2003 Emergence of Task 2.2 S2

4/07/2003 Thinning out of Task 2.2 S2

Task 2.2

26/05/2003 Sowing of Task 2.3

29/05/2003 Emergence of Task 2.3

20/06/2003 Thinning out of Task 2.3

Task 2.3





Task 2.2 field_6/5/2003









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