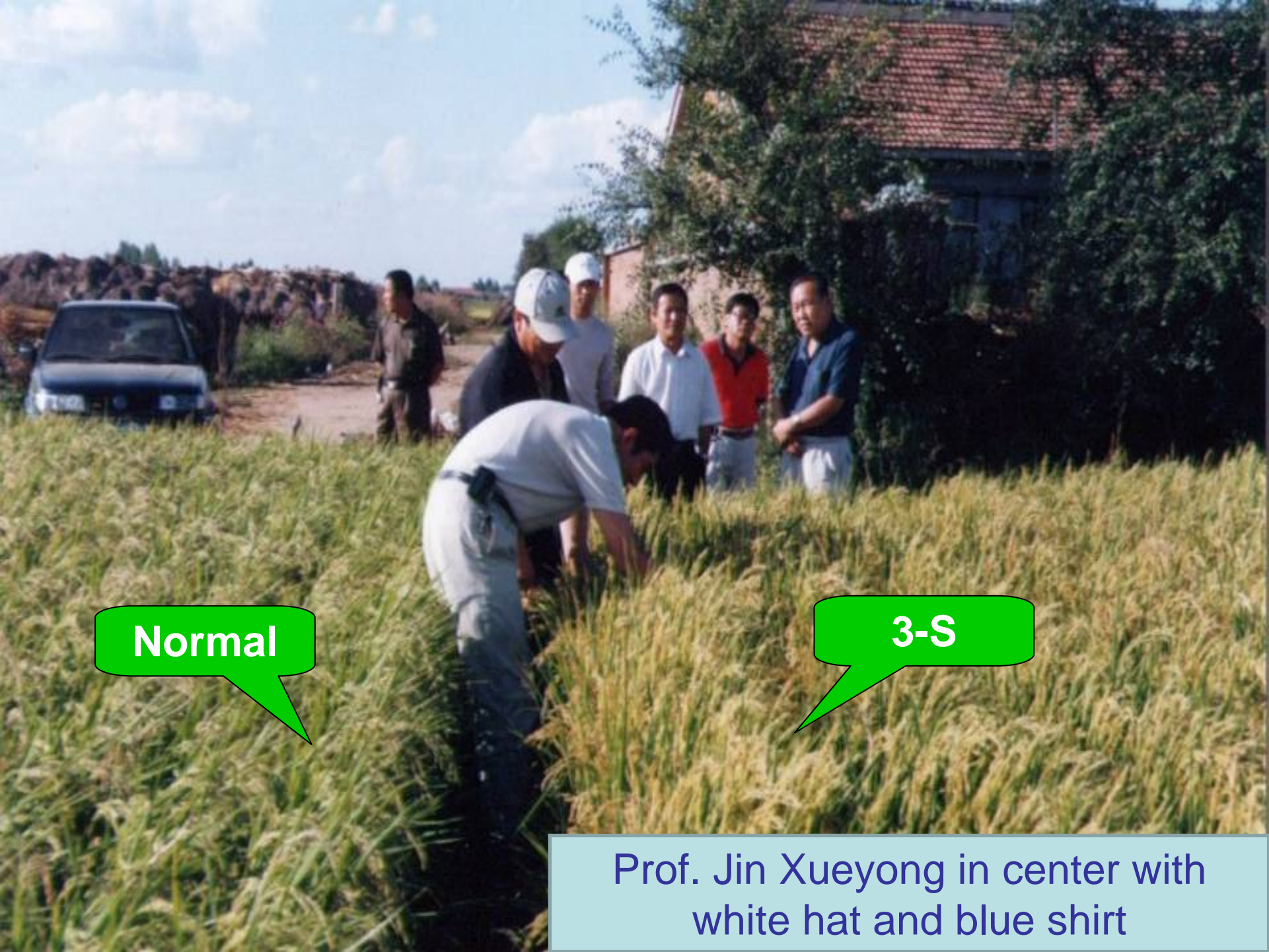


3-S Rice Management System

Heilongjiang Province, Northern China

*Similar in many ways to SRI --
developed by Prof. Jin Xueyong,
Northeast Agricultural University,
for cold northern climates
(near to Manchuria)*



Normal

3-S

Prof. Jin Xueyong in center with white hat and blue shirt

Seedlings are started at the end of winter in plastic greenhouses



Seedling for transplanting at 45 days -- and resulting plant



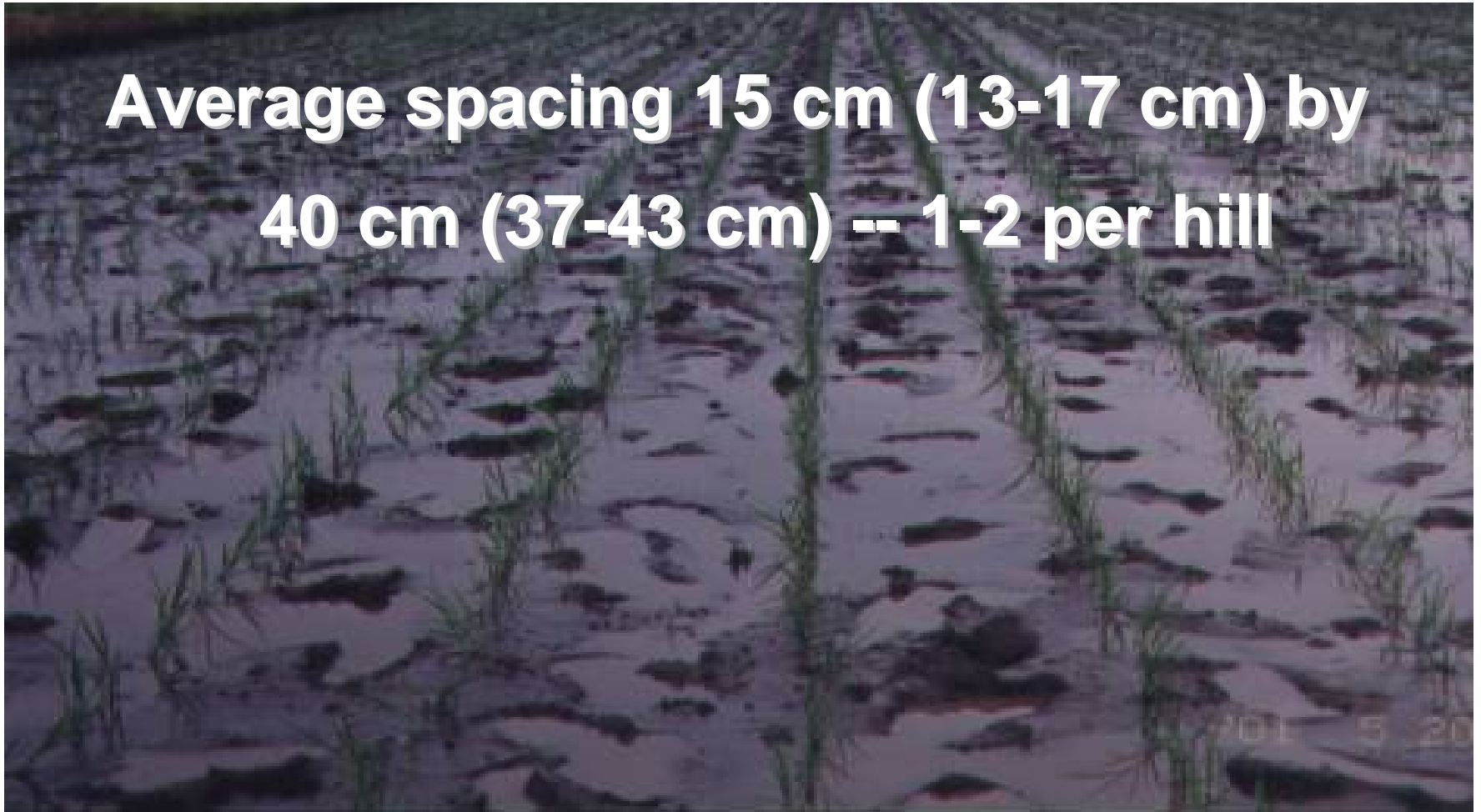
Transplanting in square pattern

May 20-June 2



Wide spacing of plants

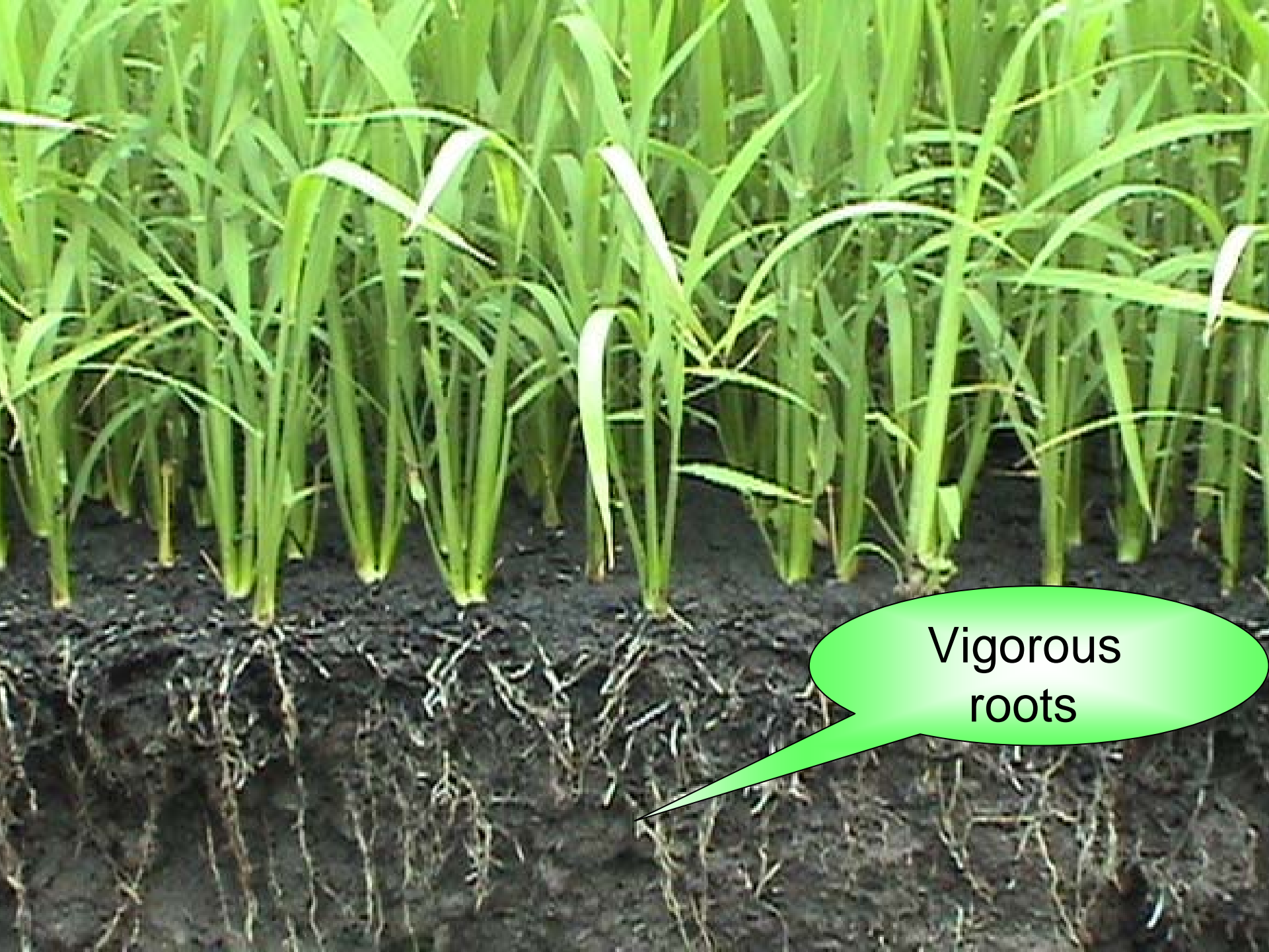
**Average spacing 15 cm (13-17 cm) by
40 cm (37-43 cm) -- 1-2 per hill**



Vegetative growth

Vigorous
tillering





Vigorous
roots



3-S roots on right

3-S field with Variety 131



131



3-S has good grain quality



Effects of Different Treatments within 3-S System

	Panicles per m²	Grains/ panicle	Seed set (%)	1000- grain wt (g)	Yield (t/ha)	Change (%)
Control (CK)	540.5	70.1	83.1	24.8	7,808	--
3-S Method	438.6	106.8	83.0	25.8	10,030	+ 28.5
VARIETIES						
Dongnong 423	371	136.0	85.0	29.0	12,471	+28.6
Xixuyan 1	375	131.0	90.0	27.3	12,020	+24.0
Dongnong 9914	480	108.0	78.0	25.6	10,351	+6.8
Kongyu 131	450	92.0	90.0	26.0	9,691	--

Effects of Different Treatments within 3-S System

DENSITY: SPACING	Panicles per m²	Grains/ panicle	Seed set (%)	1000-gr weight (g)	Yield (t/ha)	Change (%)
36x17 cm	440.1	127.5	77.5	25.1	10,913	--
43x14 cm	445.1	133.7	77.0	25.2	11,545	+ 5.8
PLANTS/ HILL	Panicles/ hill					
3/hill	23.2	109.2	82.0	22.09	9,601	--
2/hill	19.6	132.5	88.0	22.77	10,174	+ 6.0
1/hill	21.7	120.2	89.5	24.03	11,081	+15.4
DATE OF TRANSPL.	Panicles/ m²					
5-07-04	357.0	138.0	79.6	25.4	9,961	--
5-21-04	391.0	145.0	81.5	25.9	11,968	+20.1
6-03-04	357.0	141.0	79.8	25.7	10,323.	+ 3.2