



Effect of Crop Booster on Wheat Crop

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Treatment Details

C1	No fertilizers
C2	Conventional (Standard) RDF (100)
K1	Crop Booster + No fertilizers
K2a	Crop Booster + 10% Reduction of fertilizers
K2b	Crop Booster + 25% Reduction of
K2c	Crop Booster + 40% Reduction of fertilizers
K2d	Crop Booster + 55% Reduction of fertilizers
K2e	Crop Booster + 75% Reduction of fertilizers

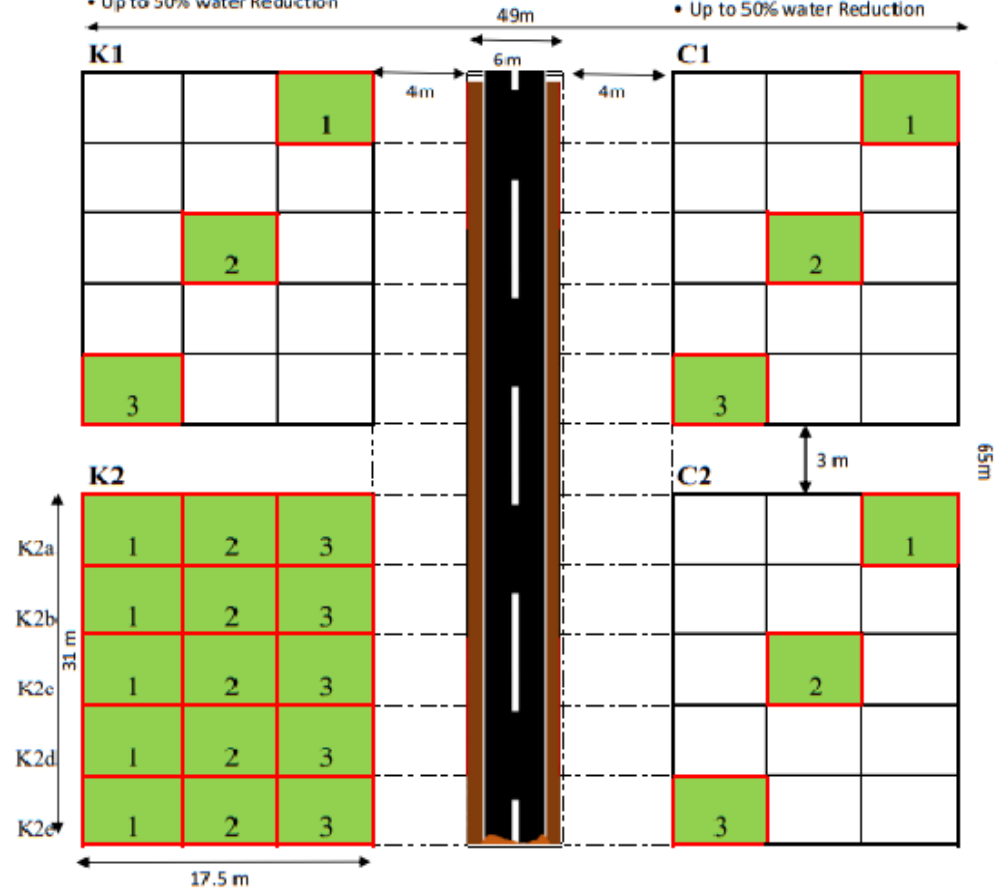
Layout

K1 : No Inputs
Up to 50% Water Reduction
+ Crop Booster

- No fertilizers
- No pesticides
- Up to 50% water Reduction

C1 : No Inputs
Up to 50% Water Reduction

- No fertilizers
- No pesticides
- Up to 50% water Reduction

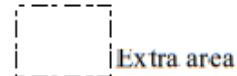


K2: Crop Booster
Split Sections
Up to 50% Water Reduction

- REDUCTION of fertilizers and pesticides: K2a 10% K2b 25%, K2c 40%, K2d 55%, K2e 70%
- Up to 50% water Reduction

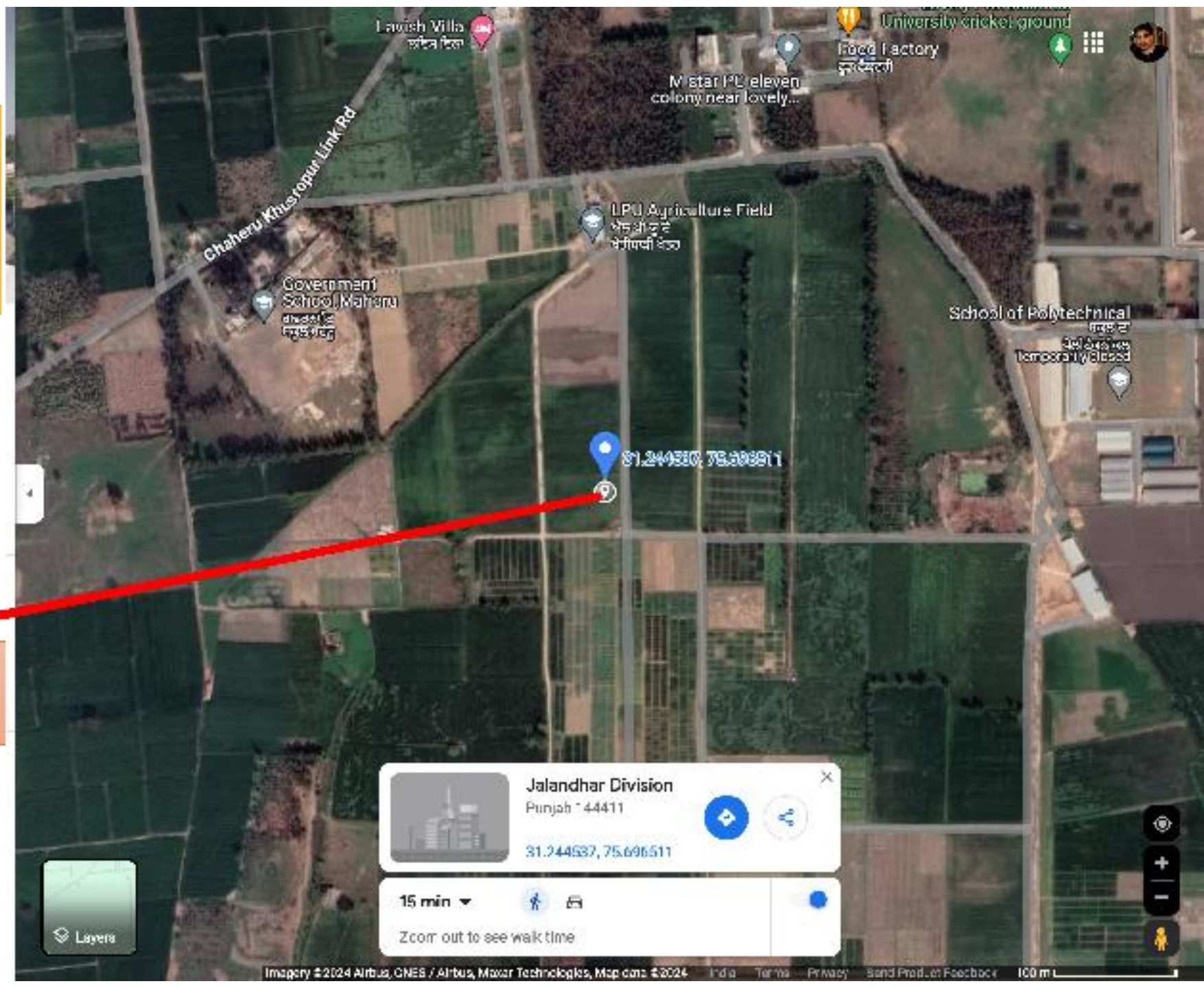
C2: Conventional (Standard) Local Practices

- Standard fertilizers (100%)
- Standard pesticides (100%)
- Standard water (100%)



EXPERIMENTAL AREA

31°14'40.1"N 75°41'47.6"E



Installation of Crop Booster



Sowing

- Date of Sowing – 08/11/2023
- Variety - PBW 826



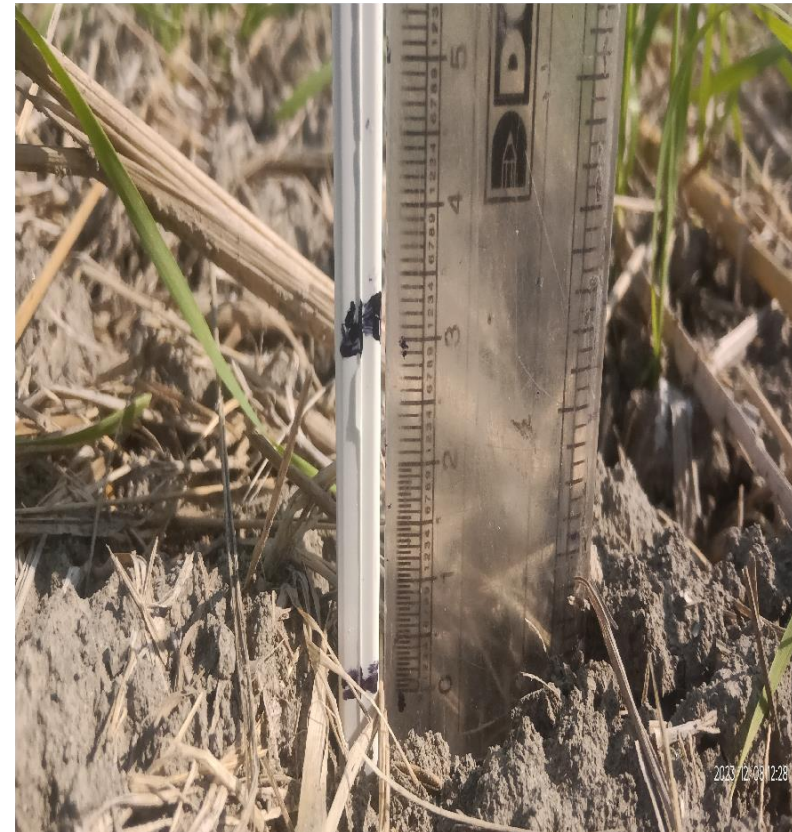


Fertilizer application

- Fertilizer application – Split Dosages

Irrigation

No. of irrigation done – 5



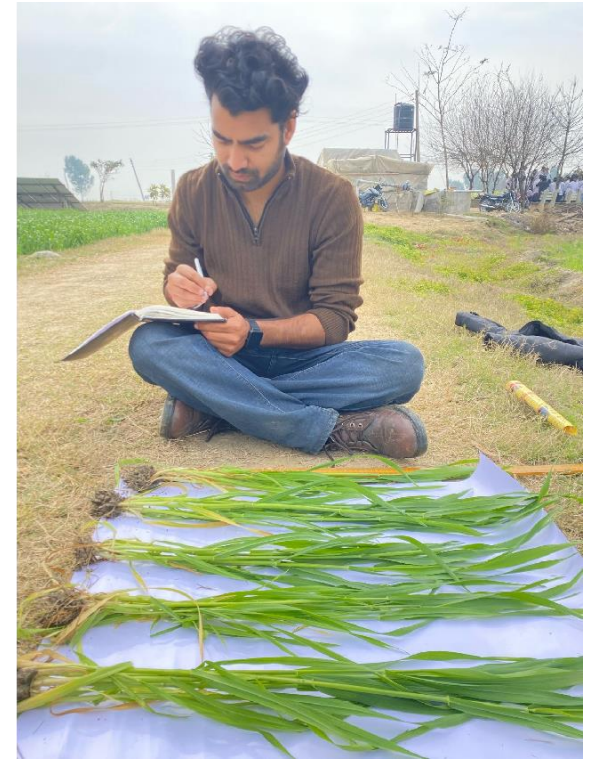
Data Collection at Vegetative stages



45 DAS

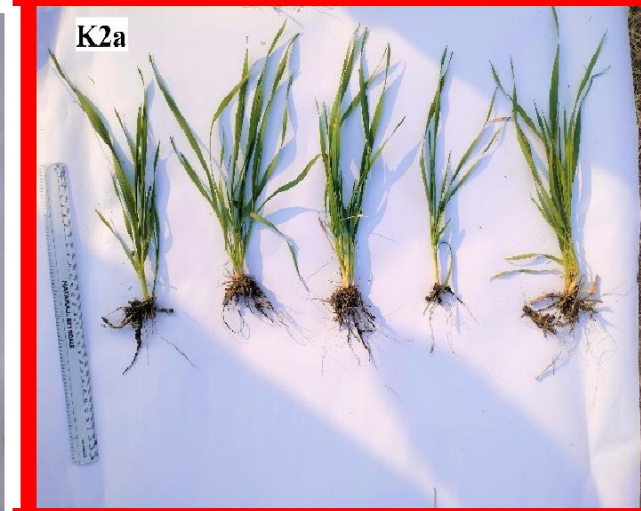
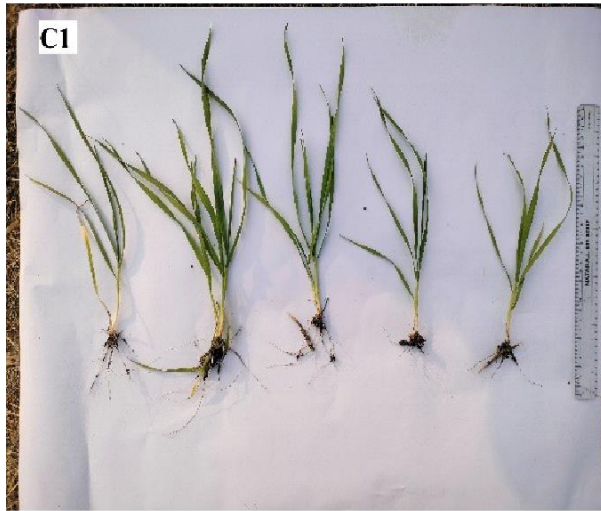


60 DAS

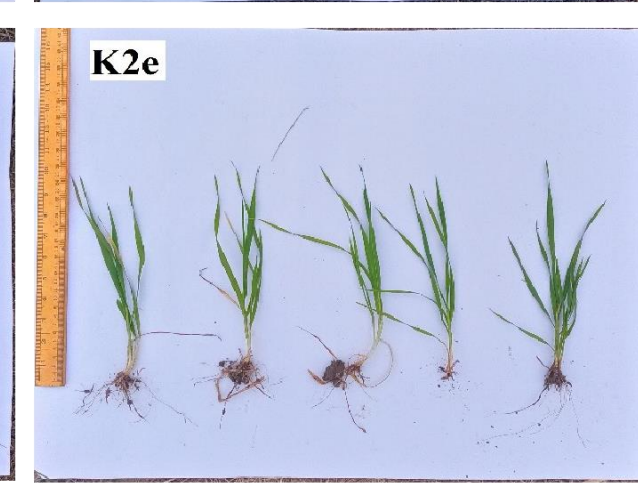
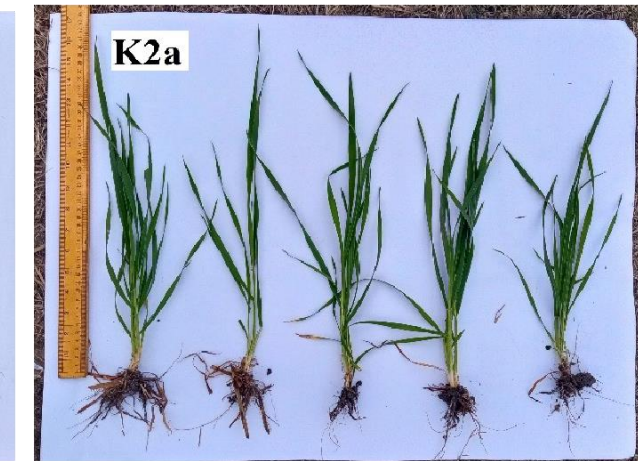
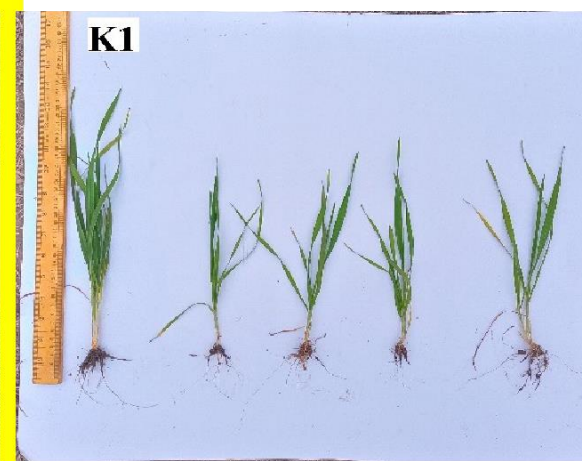
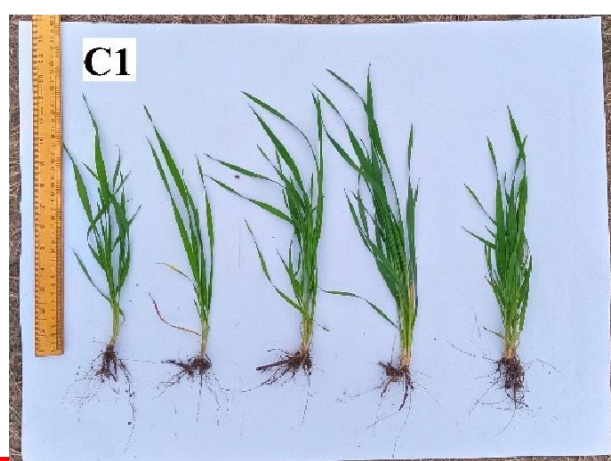


90 DAS

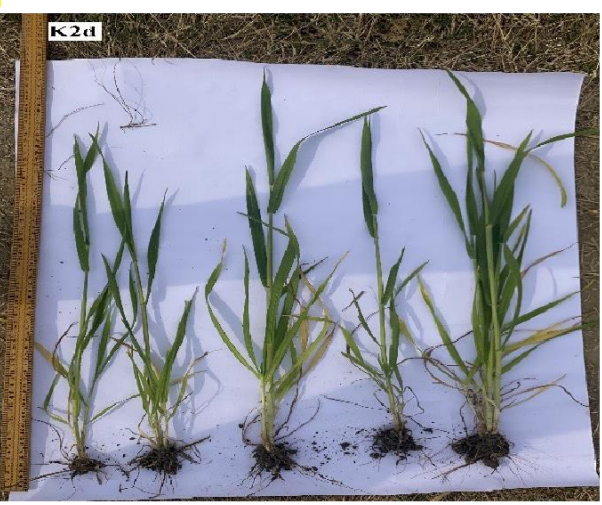
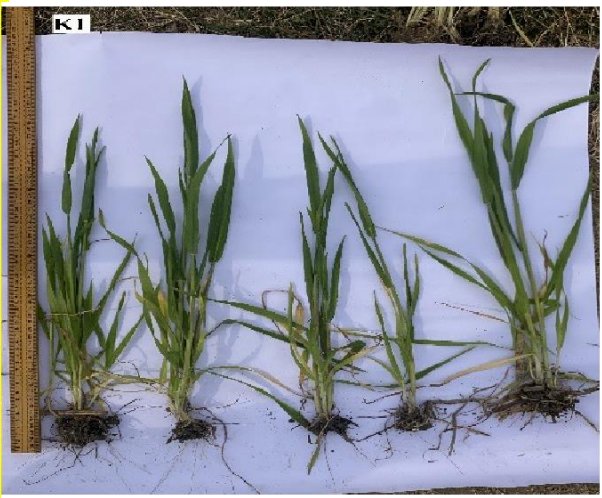
Results (45 DAS)



Results (60 DAS)



Results (90 DAS)





C1

C2

K1

K2a

K2b

K2c

K2d

K2e

Insect/pest
incidence



Common Name - Ladybird beetle

Scientific Name - *Coccinella septempunctata*



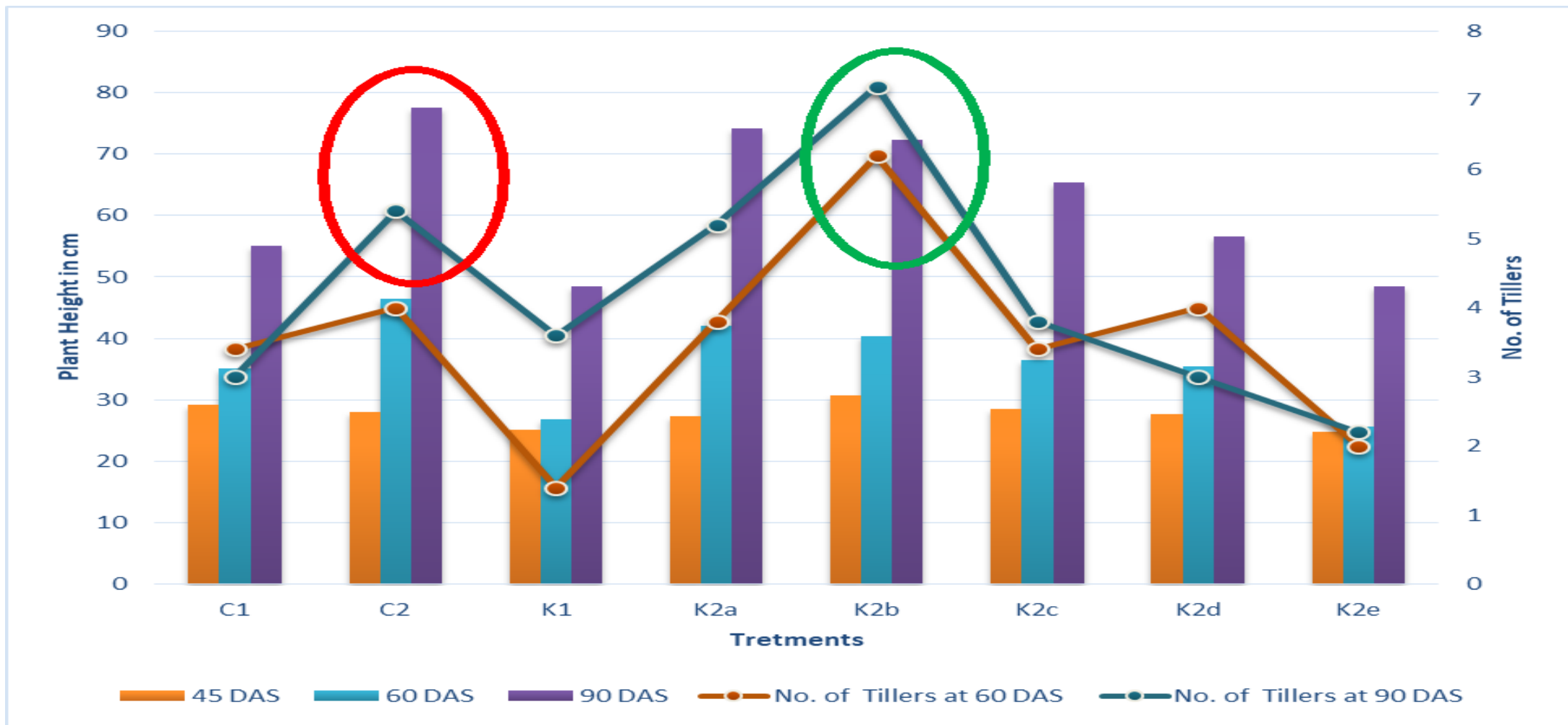
Common Name - Bird cherry-oat aphid

Scientific Name - *Rhopalosiphum padi*



Common Name - English grain aphid

Scientific Name - *Sitobion avenae*



- C1 No fertilizers, No pesticides, 50% Water Reduction
- C2 C2: Conventional (Standard) Local Practices, Standard fertilizers (100%), Standard pesticides (100%) Standard water (100%)
- K1 Crop Booster + No fertilizers, No pesticides, 50% Water Reduction
- K2a Crop Booster + 10% Reduction of fertilizers and pesticides, 50% Water Reduction
- K2b Crop Booster + 25% Reduction of fertilizers and pesticides, 50% Water Reduction
- K2c Crop Booster + 40% Reduction of fertilizers and pesticides, 50% Water Reduction
- K2d Crop Booster + 55% Reduction of fertilizers and pesticides, 50% Water Reduction
- K2e Crop Booster + 75% Reduction of fertilizers and pesticides, 50% Water Reduction

Data Collection at Maturity stage





K1



K2a



K2b



K2c



K2d



K2e



C2

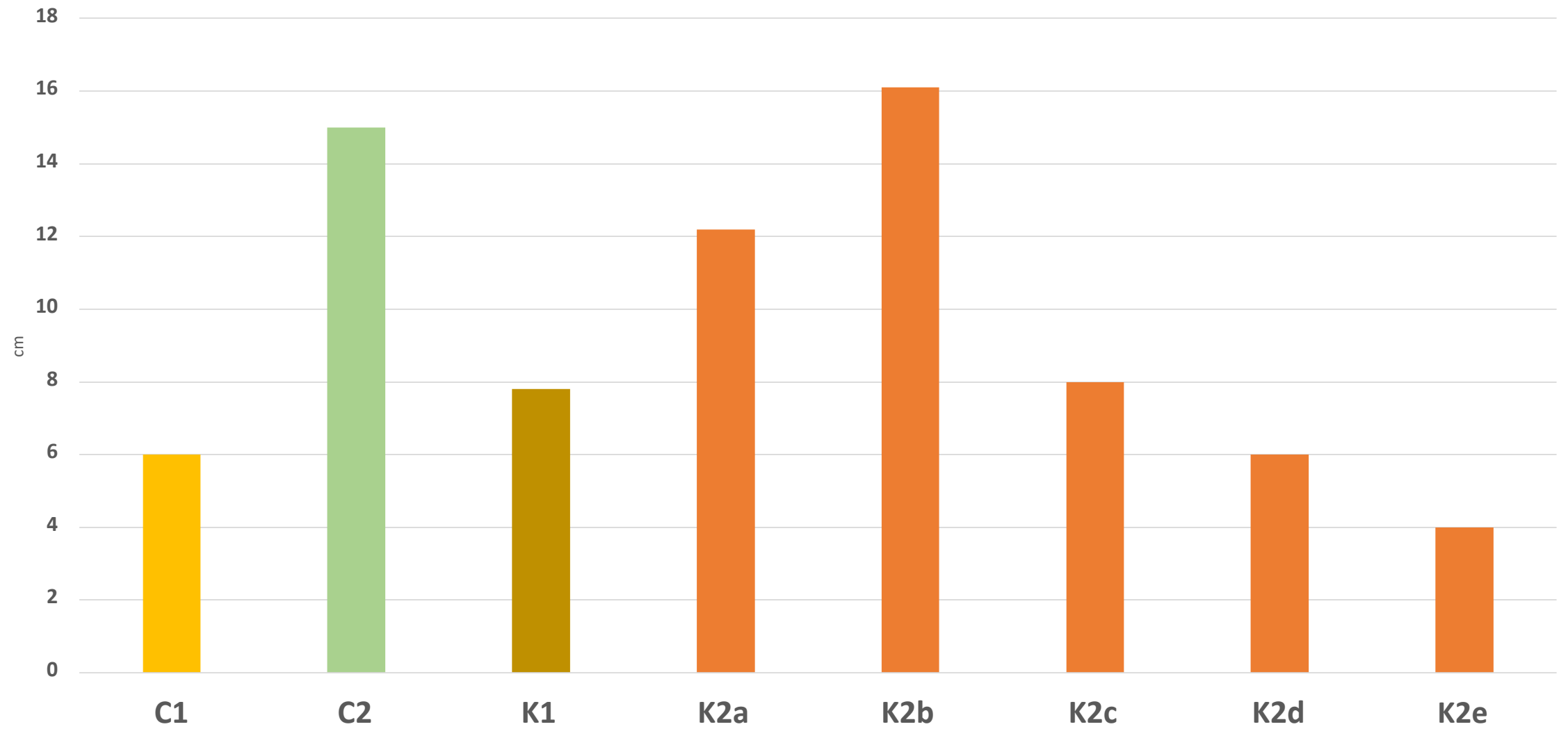


C1

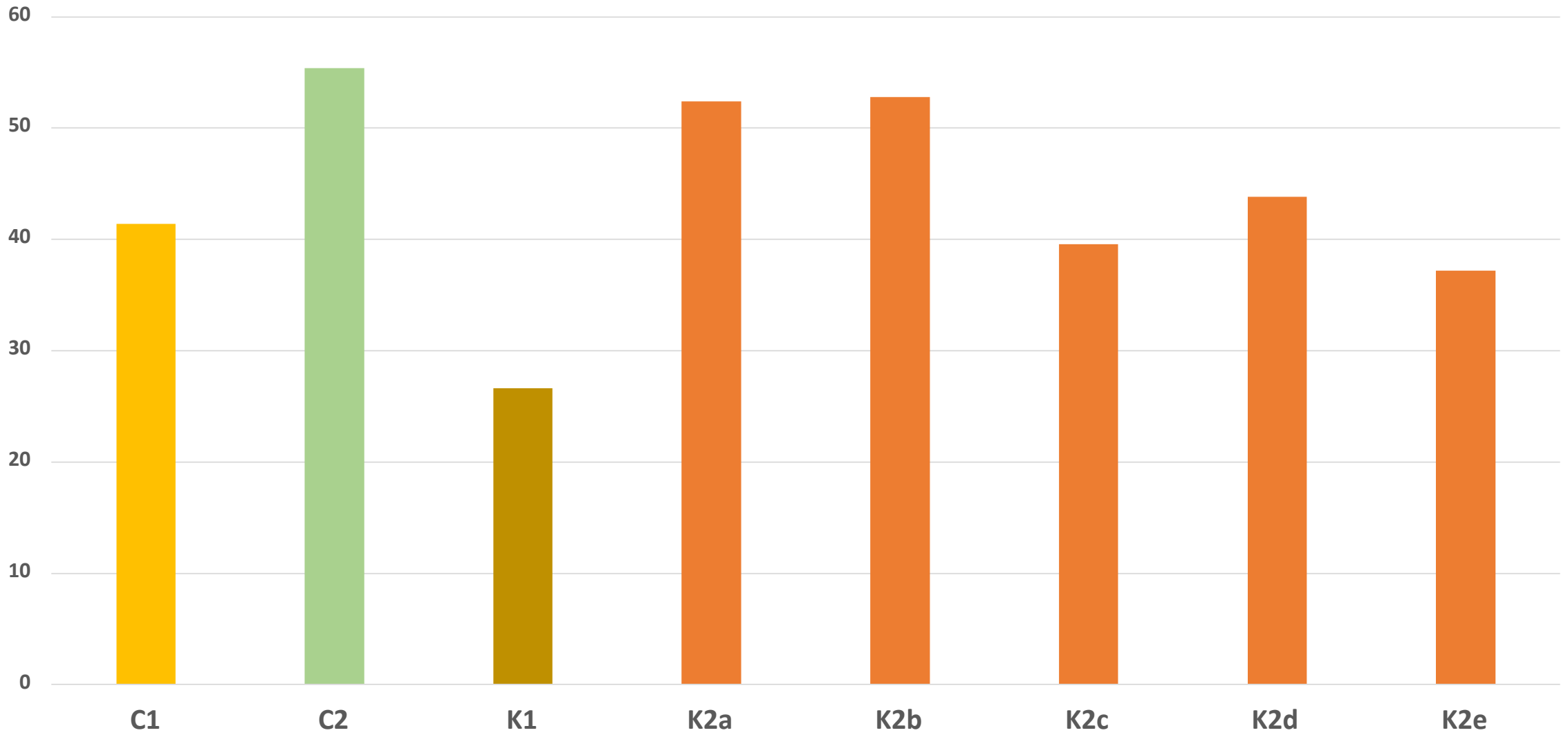




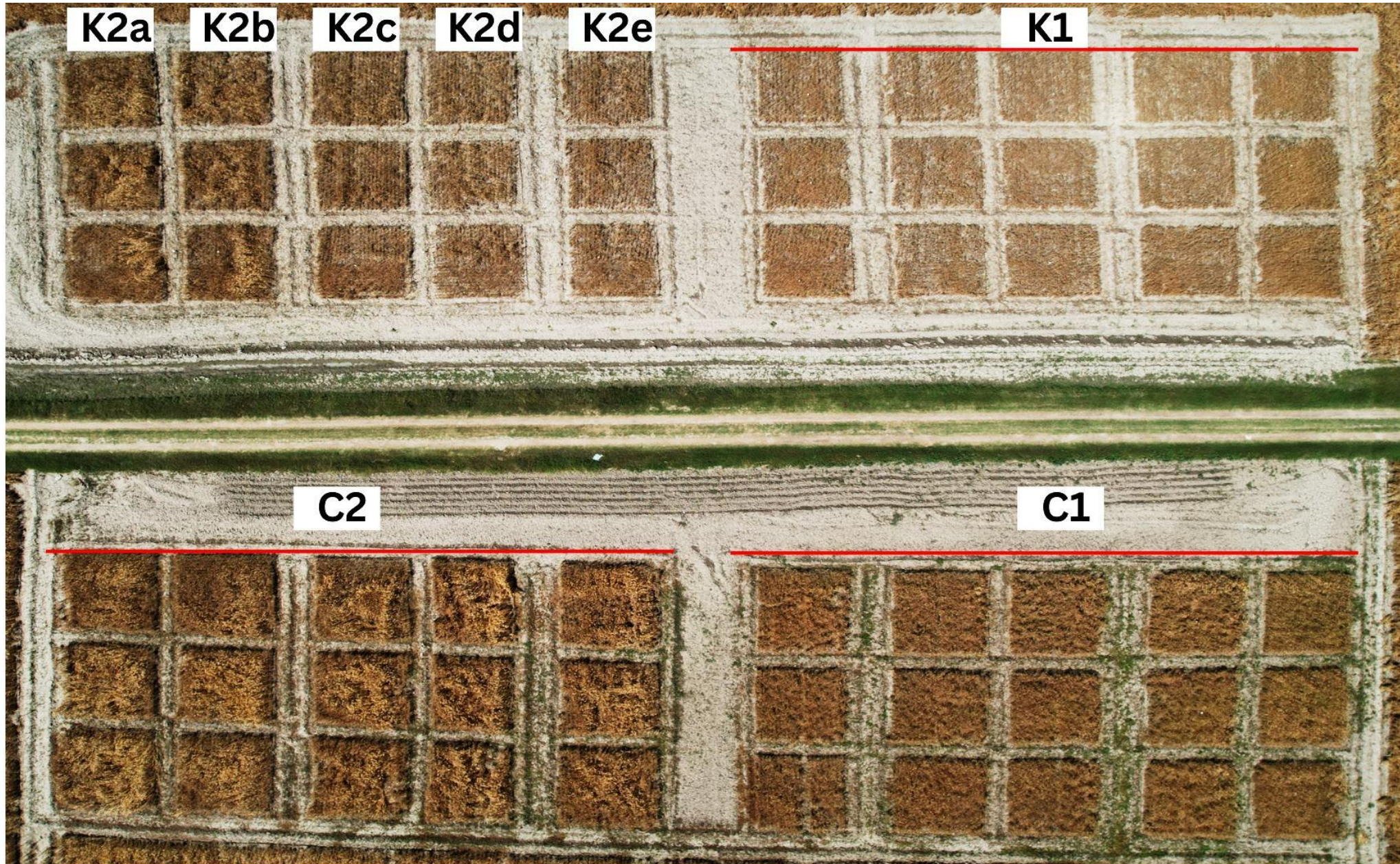
Spike Length

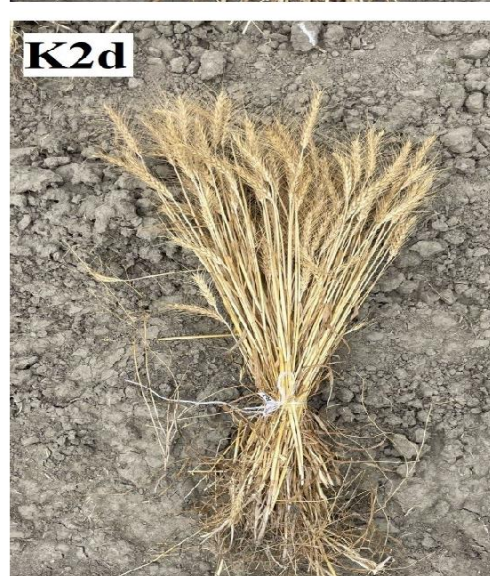


No. of Grains Per Spike



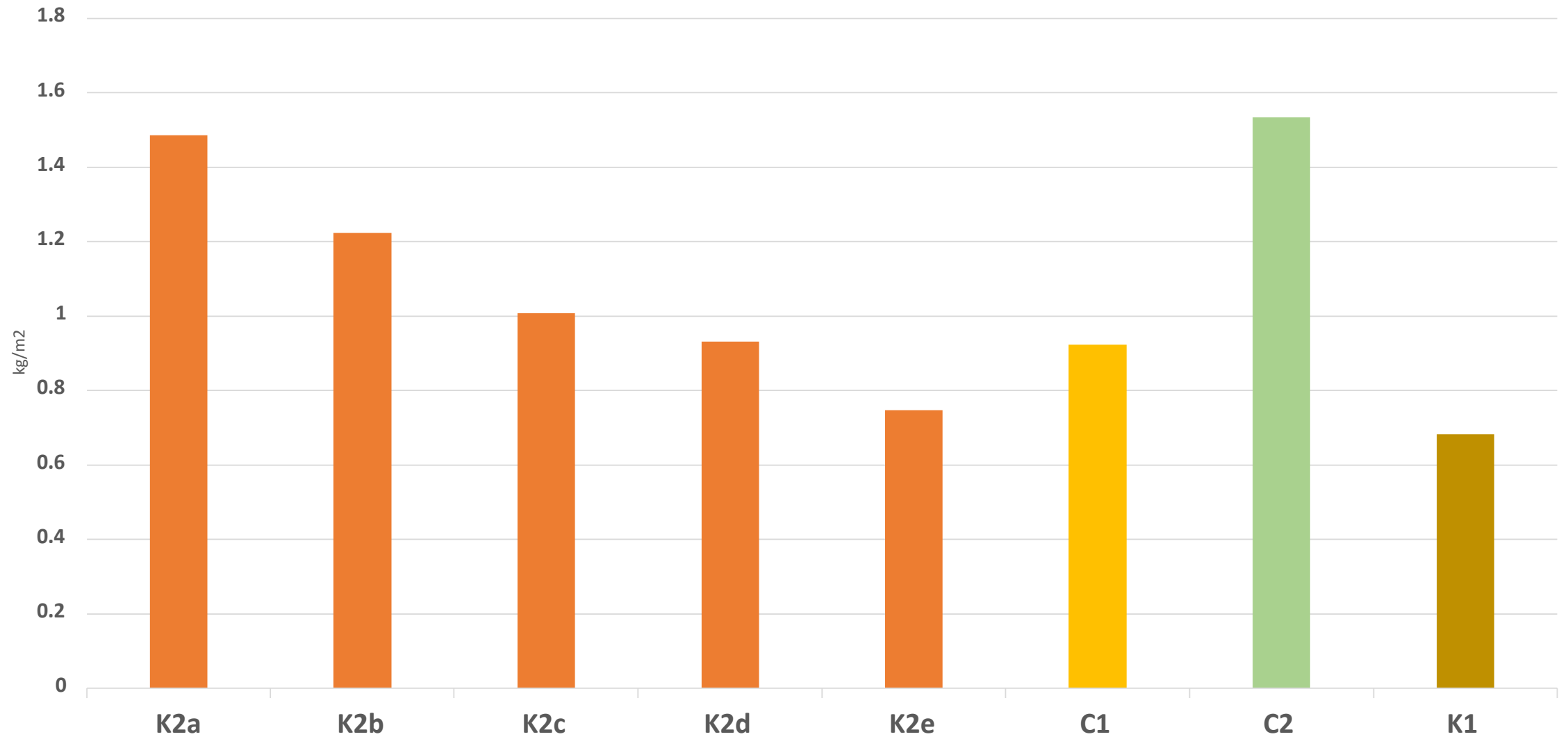
Drone Image (Prior to Harvest)







Biological Weight





K1



C1



C2



K2A



K2B



K2C

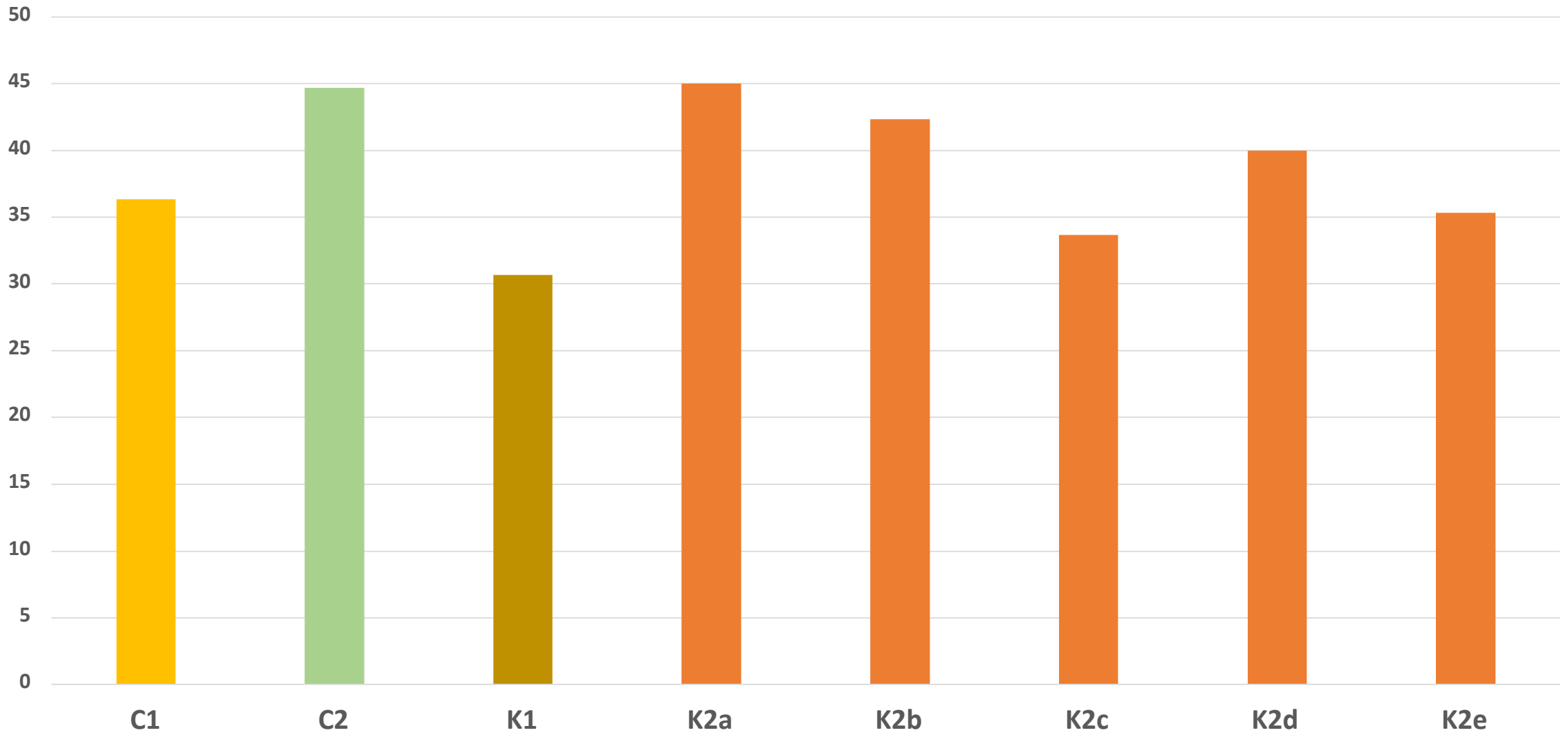


K2D

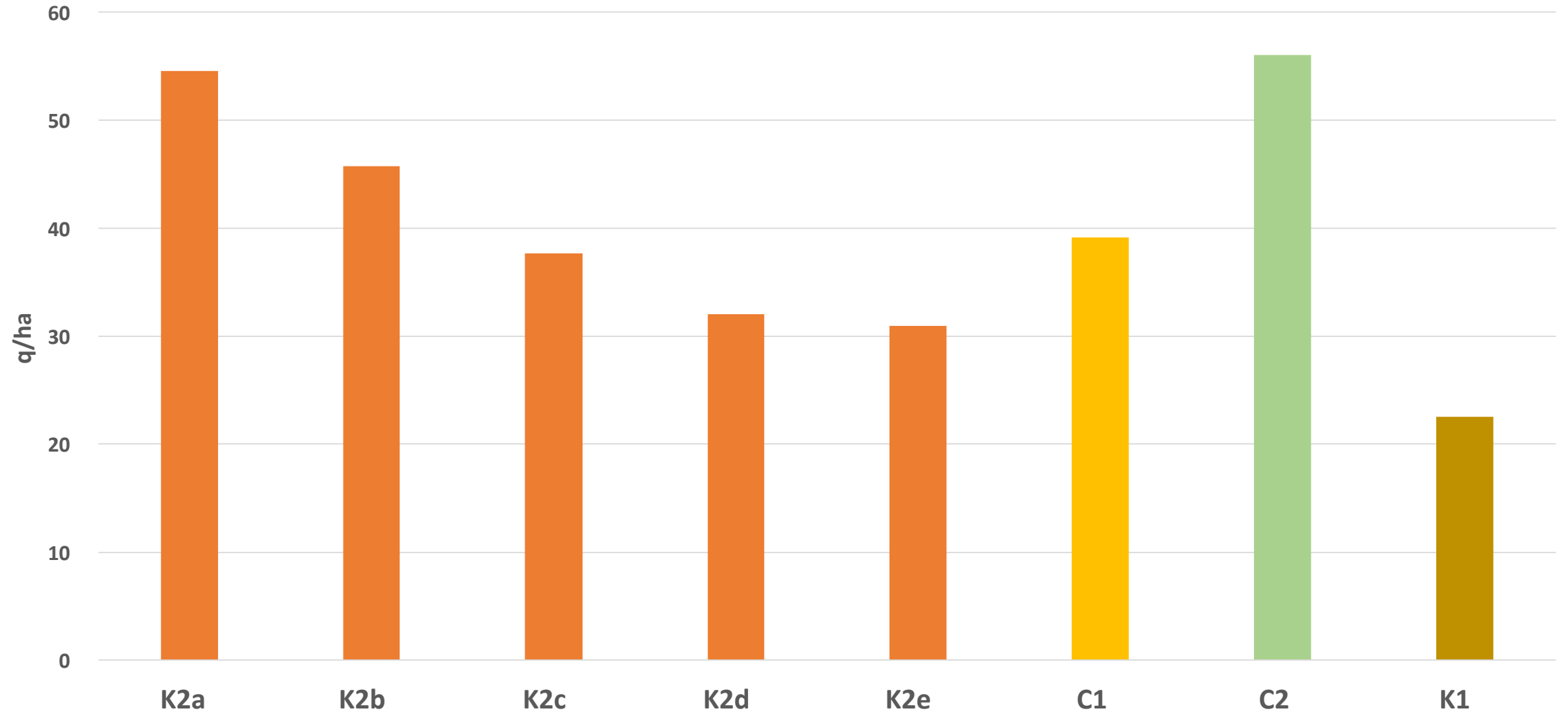


K2E

Test weight



Yield (q/ha)



THANK YOU

NAAC
GRADE **A++**



L P U