Supplementary material

Response of Wheat and Sugar Beet to Different Mineral-Organic Fertilization in a Long-Term Experiment

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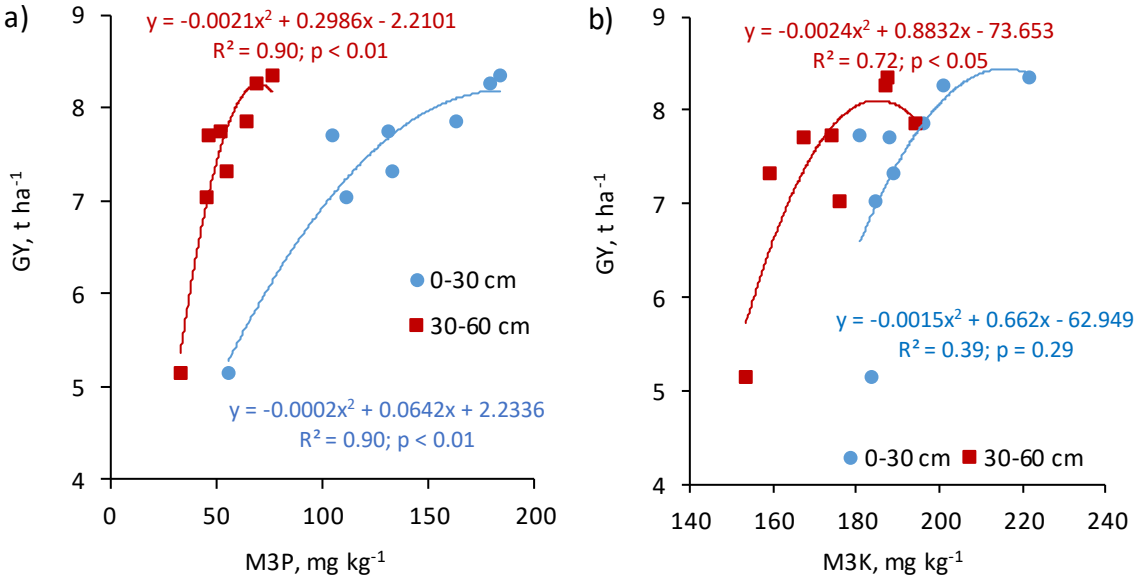


Figure S1. Winter wheat grain yield (GY) as a function of plant-available P (a) and K (b) content in two soil depths.

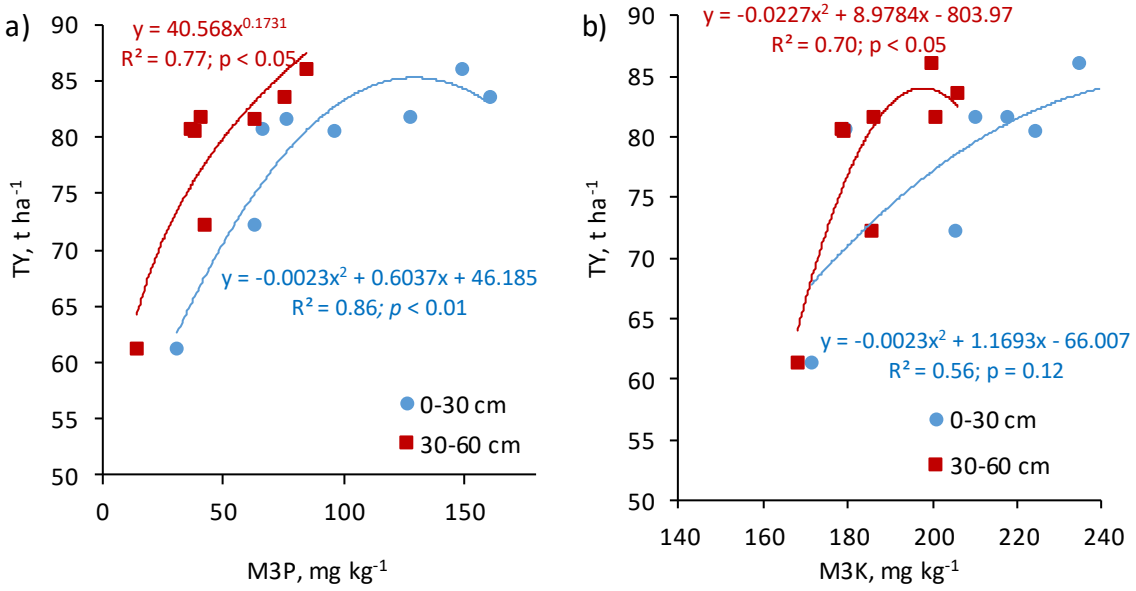


Figure S2. Sugar beet taproot yield (TY) as a function of plant-available P (a) and K (b) content in two soil depths.

Table S1. The effect of fertilization variants on the quality of the crop: total protein content in winter wheat grain and sucrose content in sugar beet roots.

Treatment	Winter wheat % of crude protein	Sugar beet % of sucrose in taproots
$N_0P_0K_0$	11.9	18.8
$N_1P_1K_1$	11.6	19.5
$N_3P_2K_2$	12.5	19.4
$N_4P_2K_2$	13.9	19.6
PS+$N_0P_0K_0$	11.9	19.4
PS+$N_1P_1K_1$	13.1	19.2
PS+$N_3P_2K_2$	13.6	19.0
PS+$N_4P_2K_2$	14.6	18.6

where PS denotes for pig slurry application and 1,2,3,4 different rates of mineral NPK fertilizers