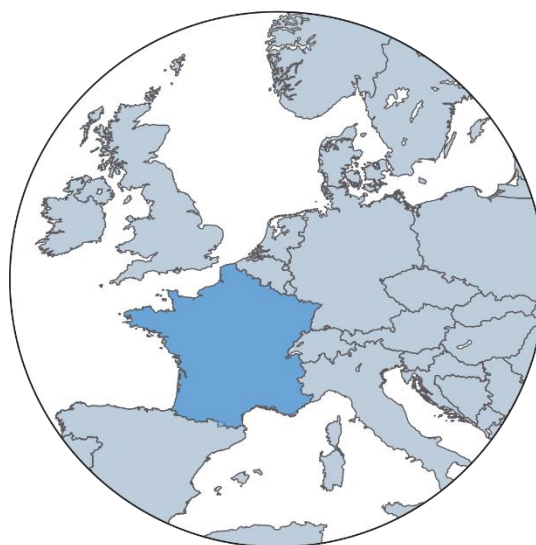




Objective: To increase the yield of wheat



Protocol:

Crop: Wheat

Place: Charente - France

Year: 2016

Trial code: KLP_TA_FR_2016_01

TREATMENT	PRODUCT	DOSAGE	TIME AND MODE OF APPLICATION
CONTROL	STANDARD FARMER PRACTICE	-	-
KELPGROW A	KELPGROW IR + KELPGROW BOOSTER	2 L/ha + 1.5 L/ha	1 st application: ear 1 cm BBCH 30 2 nd application: second node BBCH 32
KELPGROW A1	KELPGROW IR + KELPGROW BOOSTER	2 L/ha + 1.5 L/ha	1 st application: second node BBCH 32 2 nd application: Flag leaf blade all visible BBCH 39
KELPGROW B	KELPGROW SET + KELPGROW BOOSTER	2 L/ha + 0.5 L/ha	1 st application: Flag leaf blade all visible BBCH 39

Results:

All plots treated with KELPGROW product combinations resulted in an increase of yield without affecting the quality of the grains. In particular, the highest increase (+ 880 kg/ha) was recorded in the plot treated with the later applications of KELPGROW IR + KELPGROW BOOSTER (treatment A1). In addition, the single application of KELPGROW SET at the last stage (BBCH 39) of the trial resulted also in an important increase of the yield (+820 kg/ha).

Considering a wheat price of 180 euro/t and an average product price at the end user of 11.50 euro/L, the same products lead to a substantial increase of the Return On Investment (ROI)/ha.



<i>TREATMENT</i>	<i>YIELD (t/ha)</i>	<i>SPECIFIC WEIGHT (kg/hl)</i>	<i>PROTEINS RATE (%)</i>
CONTROL	6.55	79	13.7
KELPGROW A	6.97	78.7	13.6
KELPGROW A1	7.43	78.6	13
KELPGROW B	7.37	78	13

<i>TREATMENT</i>	<i>Gross Saleable Production (GSP) (euro)/ha</i>	<i>Δ GSP/ha</i>	<i>Cost of application (euro)/ha</i>	<i>Δ ROI (euro)/ha</i>
CONTROL	1179			
KELPGROW A	1254.6	75,6	40.25	35.35
KELPGROW A1	1337.4	158.4	40.25	118.15
KELPGROW B	1326.6	147.6	28.75	119.10

Conclusions:

Application of KELPGROW products increased the yield of wheat and lead to important increases of the crop productivity without affecting the quality of the production. Consequently, there was an important increase of both GSP and ROI per ha.