

Soybean (Drought)

TRYPTONITE®
BIOACTIVATOR OF AUXINS METABOLISM

Soybean

Variety: Eiko

Place: Settala - Italy

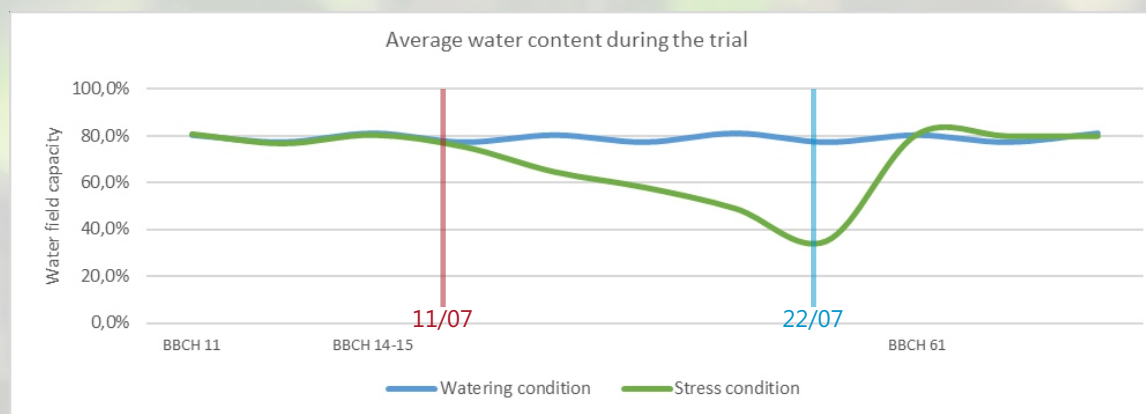
Year: 2024

Research center: Agricola 2000

Sowing: 17/06/2024

Pot trials

	Plant height cm		NDVI 0-10		Performance Index*		Leaves T° °C		Fresh biomass g/plant
Control irrigated	17,4	23,9	0,42	0,54	2,547	2,010	27,3°	26,2°	84,3
Control drought	15,5	18,9	0,34	0,33	1,856	2,013	32,4°	36,5°	59,3
TRYPTONITE drought	15,9	21,6	0,39	0,42	2,158	2,698	28,3°	34,7°	74,0
	12/07/24	23/07/24	12/07/24	23/07/24	15/07/24	29/07/24	12/07/24	23/07/24	01/08/24



***Performance Index** reflects the functionality of both photosystems I and II and gives us quantitative information on the current state of plant performance under stress conditions (higher is better is).

Applications

Tryptonite

- 1) **0,7 L/ha** at BBCH 61 (09/07/24).
- 2) **0,7 L/ha** at BBCH 65 (17/07/24).
- 3) **0,7 L/ha** at BBCH 69 (24/07/24).

Soybean

(Herbicide stress,
biostimulation)

TRYPONITE[®]

BIOACTIVATOR OF AUXINS METABOLISM

Soybean

Variety: Eiko

Place: San Zenone al Lambro - Italy

Year: 2024

Research center: Agricola 2000

Sowing: 20/06/2024

Harvest: 21/10/2024

	Phygen (Phytotoxicity index) %		Malondialdehyde ug/mg	Sugar cont. mg/g	Fresh biomass g/plant	Yield (std HR) t/ha
Control	30	18,3	17,05	20,83	35,1	3,5
TRYPONITE	20	8,3	13,03	39,61	45,8	3,9
	15/07/24	30/07/24	15/07/24	15/07/24	05/08/24	
						+30,5 %
						+11,4 %



Applications

Herbicides

DAVAI (7,62 % Imazamox) 0,65 L/ha - BBCH 13-14 (10/07/24)

HARMONY SX (50,0% Tifensulfuron metile) 12 g/ha - BBCH 13-14 (10/07/24)

ZETROLA (9,6% Propaquizafop) 1,5 L/ha - BBCH 15-16 (24/07/24)

Tryptonite

1) 0,7 L/ha at BBCH 61 (05/08/24).

2) 0,7 L/ha at BBCH 65 (13/08/24).

3) 0,7 L/ha at BBCH 69 (20/08/24).