

Results Report

Evaluation of ZOECORE for Enhanced Water Uptake and Oxygen-Enriched Irrigation

Prepared by Cannabis Research Center & Coalition	Product ZOECORE (by DEEPVELO)	Cultivar/Strain 'Snowman'
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Test Conditions: The Cannabis Research Coalition evaluated ZOECORE-treated irrigation water against a control under a 1-gallon coco coir hydroponic cultivation system. The trial consisted of 2 weeks for propagation, 2 weeks of vegetative growth, and 8 weeks of flowering, with equivalent nutrient inputs and environmental conditions maintained across both groups.

Category	Summary of Findings
Treatment Condition	Mean dissolved oxygen (DO) levels were 17.1 mg/L in the control and 42.2 mg/L in the ZOECORE treatment at plant emitters, confirming substantially higher oxygen availability in the root zone.
Growth and Yield	ZOECORE increased full plant biomass from 473.43 g to 538.51 g (+13.75%) and dry flower yield from 84.91 g to 96.35 g (+13.47%). Dry stem weight also increased from 26.08 g to 27.58 g (+5.75%).
Cannabinoid Profile	Major cannabinoid composition, including total cannabinoids, total THC, and THCA, remained statistically unchanged between treatments. This indicates that ZOECORE increased yield without altering key cannabinoid composition.
SPAD Response	ZOECORE showed significantly higher SPAD values during early growth (Weeks 1-2), suggesting improved chlorophyll status during the establishment phase.
Root Observation	Although root differences were not quantified, visual inspection showed that ZOECORE-treated plants had whiter roots, greater root density, and more abundant root hairs, supporting improved root development.

Conclusion: ZOECORE improved total plant biomass and dry flower yield by approximately 13-14% through enhanced water absorption and oxygen-enriched irrigation. Positive trends were also observed in early SPAD response and root development, while cannabinoid composition remained stable. Overall, the results suggest that ZOECORE can increase plant vigor and final yield while maintaining key quality characteristics.

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Signature: 

3/30/26

Category

Photo / Result

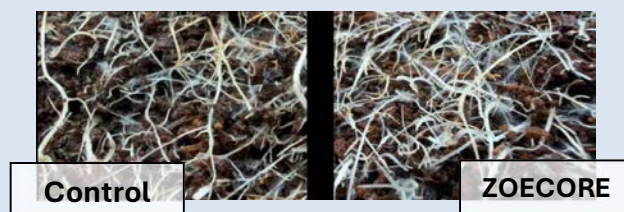
Difference in Final Growth Condition



Root Development



Root Expansion



Revenue Improvement

Treatment	Bud per plant (g)	Total bud (g) for 16	Revenue @ \$5/g
Control	84.91	1,358.50	\$6,792.51
ZOE CORE	96.35	1,541.53	\$7,707.64