

Hanadi Ibrahim El Dessougi (Autor)

Potassium Efficiency of Crop Species as Related to K Dynamics in the Rhizosphere Simulated by Mathematical Modelling

Hanadi	Ibrahim El Dessougi
Relate	sium Efficiency of Crop Species as d to K Dynamics in the Rhizosphere ulated by Mathematical Modelling
-	Cuvillier Verlag Göttingen

https://cuvillier.de/de/shop/publications/3439

Copyright:

Cuvillier Verlag, Inhaberin Annette Jentzsch-Cuvillier, Nonnenstieg 8, 37075 Göttingen, Germany

Telefon: +49 (0)551 54724-0, E-Mail: info@cuvillier.de, Website: https://cuvillier.de

Contents

Chapter 1	General Introduction	1
Chapter 2	Potassium Efficiency of 14 Different Plant Species Grown on a Sandy Soil	15
Chapter 3	Potassium Efficiency Mechanisms of Wheat, Barley and Sugar Beet Grown on a "K fixing" Soil Under Controlled Conditions	37
Chapter 4	Potassium Efficiency of Wheat and Sugar Beet Evaluated Under Field Conditions	58
Chapter 5	Calculated K Dynamics and Simulation of K Uptake by Different Plant Species Under Controlled and Field Conditions	77
Chapter 6	Effect of Citric and Malic Acid on the Release of Interlayer Bound K of a Sandy Clay Loam	104
Chapter 7	Epilogue	118
Acknowledge	ement	

Curriculum Vitae