



José Javier Corral-Rivas (Autor)  
**Models of tree growth and spatial structure for multi-species, uneven-aged forests in Durango (Mexico)**

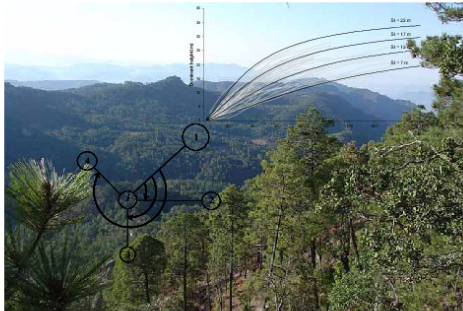


José Javier Corral-Rivas

---

Models of tree growth and spatial structure  
for multi-species, uneven-aged forests in  
Durango (Mexico)

---



Göttingen, July 2006

<https://cuvillier.de/de/shop/publications/2111>

Copyright:

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

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

## Contents

1. Introduction .....	1
1.1. Description of the study area .....	1
1.2. Objectives of the study .....	3
1.3. Forest management systems of the study area .....	3
1.4. Forest growth models .....	4
1.5. Stand structure.....	5
1.6. Review of growth modelling and stand structure in Mexico .....	6
2. Data .....	7
3. Discussion and conclusions .....	9
4. Abstract.....	11
5. Zusammenfassung.....	14
6. Resumen .....	17
7. References .....	20

## PUBLICATIONS:

CORRAL- RIVAS J., ÁLVAREZ G. J., RUÍZ G. A., GADOW K.V. Compatible height and site index models for five pine species in El Salto, Durango (Mexico).....	25
CORRAL- RIVAS J., ÁLVAREZ G. J., AGUIRRE C.O., HERNÁNDEZ F.J. The effect of competition on individual tree basal area growth in mature stands of <i>Pinus cooperi</i> Blanco in Durango (Mexico).....	47
CORRAL- RIVAS J., DIÉGUEZ-ARANDA U., CASTEDO F., CORRAL S. A merchantable volume system for major pine species in El Salto, Durango (Mexico).....	73
CORRAL- RIVAS J., DIÉGUEZ-ARANDA U., AGUIRRE C.O., BARRIO M. Use of stump diameter to estimate diameter at breast height and tree volume, for major pine species in El Salto, Durango (Mexico).....	101
CORRAL- RIVAS J., POMMERENING A., GADOW K.V., STOYAN D. An analysis of two directional indices for characterizing the spatial distribution of forest trees.....	119