

# 2006 CMDC

## *No-Till*

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# No-till Planting: Equipment, Adjustment, and Operation

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## Basic Functions of Planting Equipment

1. Meter the seed
2. Cut/handle the residue
3. Penetrate the soil to desired seeding depth
4. Establish seed-soil contact
5. Close the seed-vee
- 6-? Apply fertilizer, insecticide, herbicide, fungicide, etc.



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Planter provided by Case-IH



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Yield loss because of  
spacing variability

4 bu/A per inch of SD  
over 2 inches StdDev

Doerge & Hall, 2000

Yield loss because of  
nonuniform emergence

1-2 leaves behind 50%  
3 or more leaves 100%

Case-IH, 2005



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