



Residue, Uniformity, and the Systems Approach

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Uniform 35,000 population

























Corn Planting Depth

Depth, in	2009 Yield, bu/A
2.25	199
3	217

Irrigated 28,000 in 36" rows, 6 reps Ron Bowman, Uehling



























































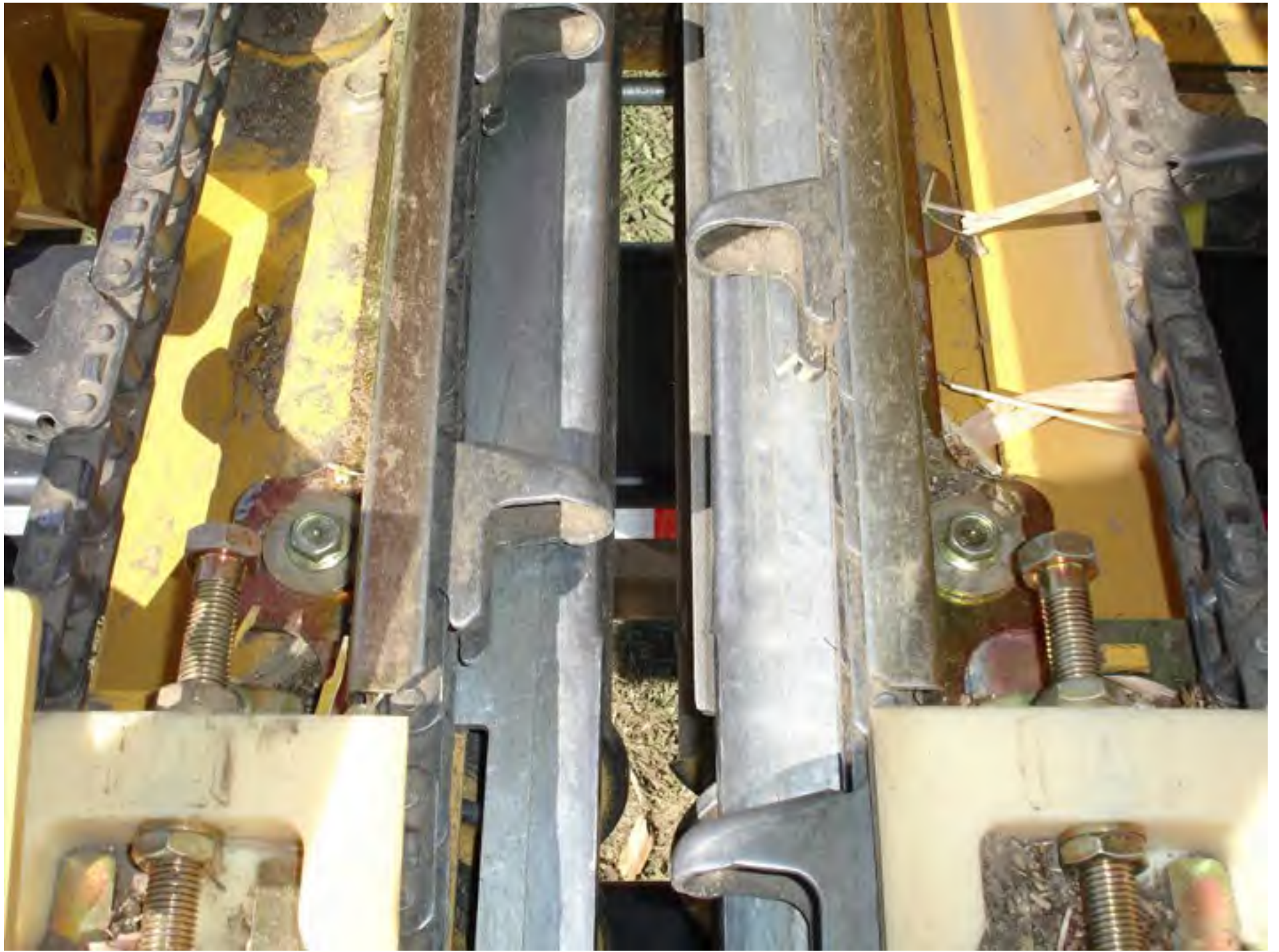










































4/10 16R30 30"
Super 10500







Strip-Till

No-Till









This machine is no-till seeding in Paraguay



(Derpsch, 2005)

PROBLEM: TOUGH RESIDUE





















Depth of Corn Planting

CMDC @ ARDC

92 day

2007 Yield, bu/A

Bare

Residue

1 inch

168

174

2 inch

173

178

3 inch

177

183





Depth of Corn Planting

CMDC @ ARDC

2009 Yield, bu/A

102 D

112 D

1 inch

208

197

2 inch

213

230

3 inch

220

264





This is how no-till looks like after seeding



(Derpsch, 2005)

This is how no-till looks a few weeks later



(Derpsch, 2005)

This is how a long term no-till soil looks



(Derpsch, 2005)























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