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Headers and Spreaders

Southwestern Ag Conference 2014

Flexdraper or Flexauger header?

Airreel or no aireel?


Draper header no airreel

Airreel with double fan


Flex draper with single fan air reel

Flex draper vs. Flex auger

- Both header typs require perfect set up for excellent performance
- Not sure if we have seen a major advantage for either one
- Draper header looks mechanically simple but has more hydraulics
- Draper still needs airreel in short beans
- Double fans require up to 80 hp to drive
- MacDon section flex draper worked excellent – is a full flex draper better yet?

Drago Chopping Cornhead

Geringhoff Rotadisc


Corn residue right after combining!


Chopped corn next spring!

Chopping vs. None Chopping

- **A lot faster residue breakdown – hardly any residue left by spring**
- **Can we go back to notill? Is shorter better?**
- **Chopping makes sense for all till systems**
- **Our lawnmower style chopping head seemed to require high maintenance**
- **Rotadisc: chops fine and splices the standing stalks – more decomposition potential, easy on tires**
- **Rotadisc requires less power than lawnmower style**
- **About 3-4$/ac higher operating costs**

Combine Residue Management
Our Evolution over 35 years!

Clean Till in Germany

Claas Dominator 80 – 1978

Claas 116 CS – 1985

Claas Lexion 480 – 1993

Mintill in Ontario

JD 9400 – 1995

Case 2188 – 1999

JD 9650 – 2002

JD 9760 – 2005

Lexion 580 – 2009

CaseIH 8230 – 2013

Spreading the residue evenly

- Problems are the same in cleantill or min till – biggest problems in Notill
- Uneven emergence and growth: lower soil temperature, slow dry down, available nitrogen, hair pining, air and water movement barrier
- Problem compensation with more tillage

Take the leaf rake to the field!

Combine Demo: Lex 580 vs. CaseIH 9120

Too much load of straw on the right side!

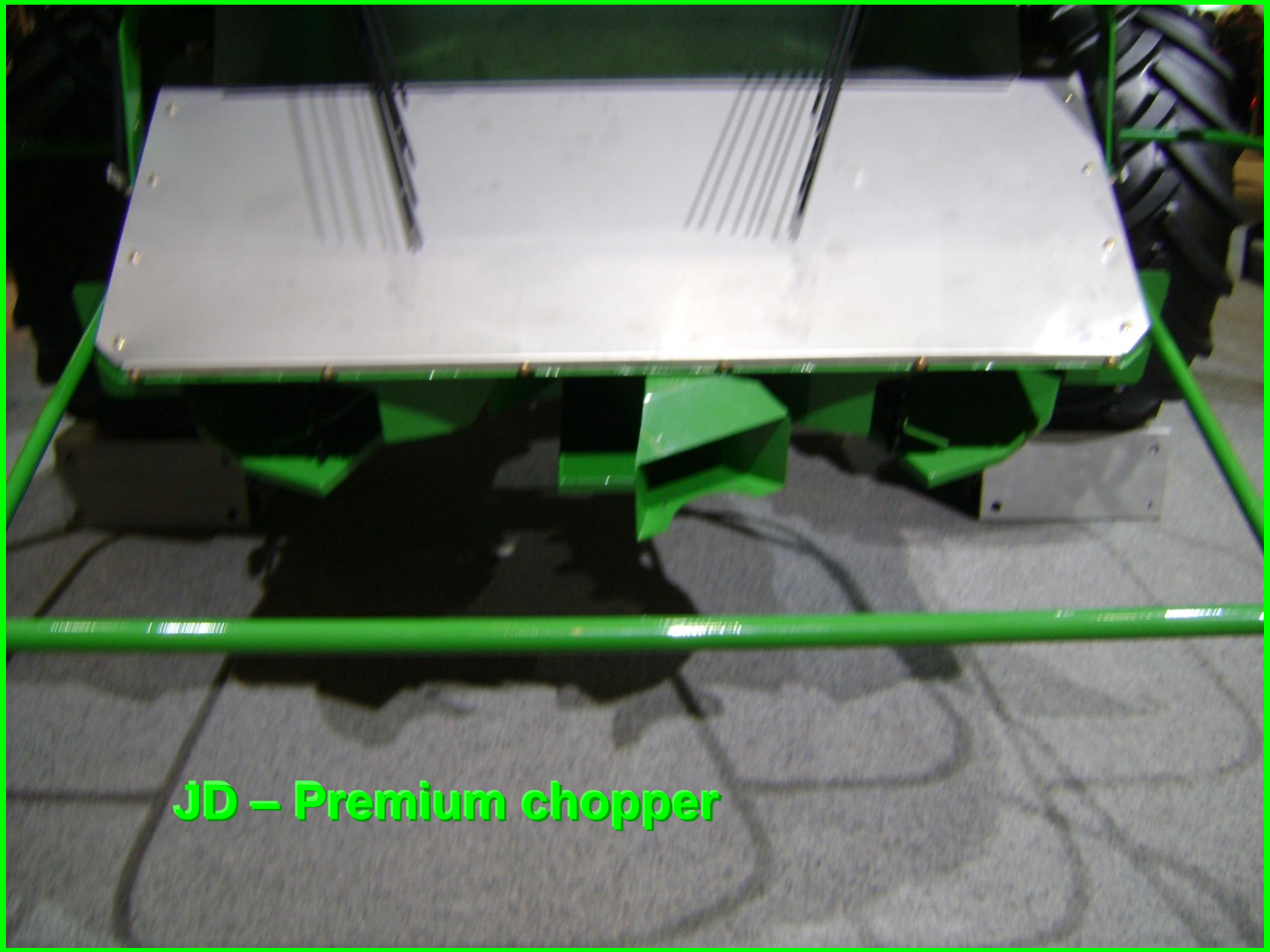
Demo combine not set right!


Almost perfect straw distribution!


Is this good enough for planting wheat ?
NO – we are loosing 3-5 bu wheat yield!


Three weeks after combining!
John Deere STS
Case 8230 Fine Cut
Cutting length is as important as distribution!


WARNING
TO AVOID SERIOUS INJURY
STOP ENGINE. REMOVE
STARTER KEY. LOOK,
LISTEN AND WAIT FOR
ALL MOVEMENT TO STOP
BEFORE OPENING DOORS
OR MAKING ADJUSTMENTS
WARNING
STAY CLEAR
WHEN MACHINE
IS RUNNING
Spread the chaff !!


JD – Premium chopper


CLAAS – Radial High Performance chopper


CLAAS – automatic sidewind adjustment


NH – Opti spread


CaseIH – Magna Cut Deluxe

What’s new with spreading?

- Active spreading devices for 40 to 45 ft
- In cab or automatic wind compensation
- In cab counter knife setting
- In cab spreading width setting
- Managing chaff and straw
- Long life hardened knifes
- Raspbars or ledgers to shorten length
- Camera systems for easy on the go setting

IT IS ALL AVAILABLE – JUST ASK FOR IT!

Combines have come a long way!

There is always room for improvement!