360 YIELD

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360 CHAINROLL BEST PRACTICES

Match head speed and ground speed for consistent stalk processing. Check knife clearance, head height and pitch as harvest conditions change.



PREPARE FOR INSTALLATION

On 600 Series heads, remove the front flange nut and apply penetrating oil toward the taper and spline interface. On 40/90 Series, apply oil inside the front of the roll and around the clamp slot.

SET RESIDUE KNIFE CLEARANCE

Reinstall residue knives 1/4 to 3/8 inch from the stalk rolls. Worn knives may need replacement. Maintain at least 1/4-inch clearance during operation.

CHECK STALK PROCESSING

If stalks are flared but not consistently cut, increase head speed to give the rolls enough opportunity to process the stalk. A 2- to 4-degree change in head pitch may help as moisture or hybrids change.

WATCH FOR REPROCESSING

A low head or flat angle can pick up residue from the ground and feed it through again. Raise the head or adjust pitch to eliminate reprocessing.

ADJUST FOR WET RESIDUE

Increase stalk-roll speed and/or reduce ground speed. Follow the combine manufacturer's wet-condition settings. Consider raising the head 2 to 4 inches. If residue is not ejecting and clutches slip, increase residue-knife clearance beyond the 1/4-inch minimum.

MATCH SPEEDS

Use these gathering-chain speed ranges as a starting point, then check field performance:
470 RPM: 2-3 MPH
550 RPM: 2.75-3.5 MPH
620 RPM: 3-4.5 MPH
690 RPM: 4.25-6 MPH
750 RPM: 5-6 MPH

MONITOR WEAR

Look for fewer stalk perforations, rounded teeth and partial rather than clean cuts. These can indicate that the hardened surface has worn through. The rolls may still pull stalks down while providing less residue processing.