



# BiG X 1180 Forage Harvester

## *Competitive Performance Test*



During the fall of 2020, in a Colorado corn field, a Krone BiG X 1180—the most powerful forage harvester in the world—was matched against the Claas 980 Forage Harvester to see which chopper was the superior performer in the field.

**Here are the results.**



# PERFORMANCE TEST OVERVIEW

## Objective

In-field corn forage harvesting test to compare performance of a BiG X 1180 Forage Harvester with a Claas 980 Forage Harvester. The test quantified the following:

- Harvesting Capacity/Tons per hour
- Fuel Efficiency/Gallons per hour
- Harvesting Efficiency
  - o Tons Harvested/Horsepower
  - o Tons Harvested/Fuel Usage

## Equipment

- Krone 1180 Forage Harvester
  - o 1,112 Horsepower
  - o 12-row EasyCollect corn head
- Claas 980 Forage Harvester
  - o 884 Horsepower
  - o 10-row Orbis corn head
- Set to the manufacturers' recommended settings

## Field Test Location

- Date: September, 2020
- Location: Frank Ag/Frank Brothers, Johnstown, CO

## Crop

- Corn yield estimate: 25-35 tons/acre
- Field had uniform growth

## Testing Procedures

- Timed trial: 40 minutes of harvesting
- Measurements:
  - o Total tons harvested
  - o Fuel used







## PERFORMANCE TEST RESULTS

Harvesting Capacity/Efficiency				
Model	HP	Tons Harvested (40 min. trial)	Tons Harvested/Hour	Result
BiG X 1180	1,112	285	427.5	+52%
Claas 980	884	186.6	280	

**Bottom Line:** BiG X 1180 Harvested 52% more tons per hour with just 26% more horsepower.

Diesel Fuel Usage/Efficiency			
Model	Fuel Used/Gallons per Hour	Gallons Per Ton Harvested	Result
BiG X 1180	55	.129 Gallons Per Ton	+9%
Claas 980	33	.118 Gallons Per Ton	

**Bottom Line:** BiG X 1180 harvested 52% more tons per hour using just 9% more fuel.

## BiG X 1180: the most powerful forage harvester in the world: 1,112 HP!

- **Tier 4 Final Liebherr V-12** engines feature a transversely mounted engine that generates the most efficient transfer of power. PowerSplit technology lets you adjust engine output to chopping conditions, improving fuel efficiency.
- **Superior Crop Flow and Throughput** results from six compression rollers, creating a consistent crop mat and superior chop quality. MaxFlow Drum and VariStream technology ensure consistent chop quality in all crop conditions.
- **Industry-exclusive CabLift** elevates the operator up to 2.5 feet above normal position, improving operator visibility, comfort, and productivity.
- **Independent Rear Suspension** increases maneuverability—allowing tighter 50-degree turning radius—and improves operator comfort.
- **VariQuick KP Installation** allows the KP to be installed and removed quickly and efficiently, reducing downtime.

**Bottom Line:** BiG X 1180 delivers a greater Return on Investment!



## KERNEL PROCESSING (KP) SCORE RESULTS

### Objective

The BiG X 1180's KP scores were also checked as part of the Colorado trials. Sample results were based on % of starch passing through 4.75 mm screen:

**BiG X 1180 score: 76.69\***

\*Processing Score Industry Guidelines

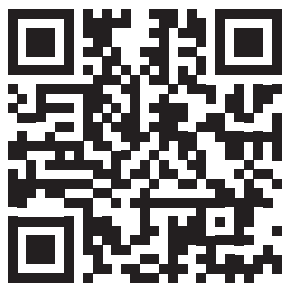
- Greater than 70%.....Optimal
- 50% – 70%.....Adequate
- Less than 50%.....Inadequate

**BOTTOM LINE:  
HIGHER KP SCORES**

**MEAN MORE  
MILK!**



Scan this QR code  
to see video of  
Brant Ryzebol on  
his BiG X 1180!



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