GLEANER®

A quarterly publication for owners and fans of Gleaner combines

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Gleaner harvests grass seed in Washington

Over the last several years, Gleaner S7 Super Series combines, and now the S8 Super Series machines, have been harvesting crops all over North America, in all kinds of conditions, and from the flatlands of the Midwest , to the steep hillsides of the Pacific Northwest. Gleaner combines have developed an incredible reputation for grain quality and low loss levels, whether it is in traditional crops like corn, soybeans and wheat, or in non-traditional crops like edible beans, chick peas, canola and millet.

On July 7th, we decided to take on a non-traditional crop that is one of the most difficult and finicky crops to harvest–grass seed. This required us to travel to the great Northwest and to Othello, Washington, where they not only grow white wheat that is shipped to Pacific Rim countries, but grass seed as well.

In fact, the Pacific Northwest is the grass seed capital of the world. 93% of all the cool grass seed varieties that are utilized in parks, ball stadiums, and your front lawn are grown in the Pacific Northwest. There is 520,000 acres of grass seed alone in Oregon, 60,000 acres in the Columbia Basin of Washington and about 40,000 acres in the Nez Perce and Lewiston, Idaho area. These acres have dramatically decreased over the last 10-15 years due to outlawed and restricted burning of straw in Oregon, Washington and Idaho.

Currently, there only about 200 combines that are harvesting grass seed in this entire region. Companies like John Deere and Case IH have struggled to harvest the very light seed and get it clean while avoiding loss out the back. Ideally you would like to achieve the lowest dockage for cleaning, a high bushel weight, and a very low loss level. The difficulty is that the seed is so light, and can easily be lost out the back of the machine with too much air from the cleaning shoe fan. It is one of the rare instances in harvesting, where you virtually utilize no air from the cleaning system due to the extremely light seed, and just try to manage the shoe load distribution with minimal loss and try to achieve as clean a sample as possible. It is certainly not for the weak of heart.

We were invited to visit Walter Implement in Odessa, Washington, and setup a new stock 2013 S77 Super Series combine to harvest in Kentucky Blue grass in Othello, Washington. Gleaner field test engineer, Bob Honas and project engineer, Craig May were there to help establish standard procedures and settings for the Gleaner Super Series, so current and future owners can adjust their combines to perform well in the various Blue Grass and other grass seed varieties.

Two years ago, we spent a few days with Farm Equipment Headquarters in Pendleton, Oregon in Kentucky Blue grass seed, and we used that knowledge to build on, in promoting our combines as a better solution to the current axial platforms as well as some conventional machines that have been imported from Europe.

The Tritura™ rotor was in a standard factory configuration with 4 reverse bars (3 short and one long reverse bar). Other changes to the processor were the right hand covers above the distribution augers were removed and re-installed on the left side to smooth out shoe distribution. A separator blanking kit (#700961967) from parts, was installed on the separator side of the processor to even out the shoe distribution. A hard plastic cover was installed over the entire leaf screen to completely shut off the air flow from underneath. The small seeds kit (#700959206G) was installed as well. We were running our rotor speed at 400 rpm, concave clearance was adjusted between 0 and 1, and the air was set between 0 and 1, depending on the variety and conditions. We were running a 13' MacDon P7 grass seed pick up header to pick up the swaths that had been laying down for over a week.

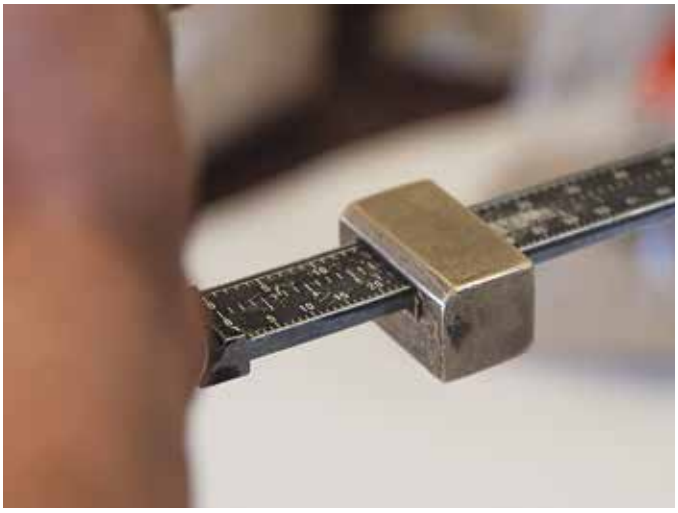
On the second day, we were running with (3) Case IH 8120 and 8230 combines at Friehe Farms in Moses Lake, Washington. Romero, the farm manager checked our loss level and grain sample quality on the Gleaner S77 combine and said it was not only acceptable, but it was *too* clean.

Every time the machines switched fields and varieties, they require a full machine cleanout at the farm staging area. With the Gleaner S77 combine, the cleanout time took substantially less than JD and CIH combines

due to the large cleanouts on the grain bin and clean grain and tailings elevators, an appreciated feature.

On the third day, we moved to the Kevin Lyle and Chris Lyle Farm near Othello, Washington. Several John Deere owners and prospects drove from as far away as Craigmont, Idaho to attend the field day.

David Johnson, Columbia Basin Manager for Jacklin Seed, a division of JR Simplot, came to the field and monitored loss checks and grain quality.



To provide an incentive for growers to do the best job of cleaning, Jacklin Seed grades the crop out of the machine based on the following:

For common varieties of grass seed, the farmer is charged 10¢ a bushel at 75% clean, an additional 2¢ a bushel is charged if it is only 65% clean, an additional 2¢ at 55% clean, and at 50% or lower an additional 2¢, for a total maximum of 16¢ per bushel that can be assessed for a 50% cleanout grade sample or lower.

For a proprietary or niche variety of grass seed such as the Kentucky Bluegrass we were harvesting, the expectations for grain cleanliness are higher, and the assessment charge for cleanout is higher. At 75% or cleaner the farmer is charged 18¢ a bushel. At 65% cleanout, an additional 2¢ is charged, at 55% or lower and additional 2¢ is charged, for a maximum of 22¢ per bushel assessment on these varieties.

We were running in the same field as several John Deere 9770 STS combines in a Kentucky Bluegrass variety called Liberator.

We bagged several samples from each machine during the course of the day. The samples would be taken to the Jacklin Seed processing plant later that afternoon to evaluate and grade for grain cleanliness,

cleanout percentage and bushel weight, which is what the grower would be paid on.

For comparison we used the 4:00 p.m. bag samples for both the John Deere and Gleaner evaluation combines, which would provide the best sample because the conditions were hot and dry to achieve the best results.

The John Deere 9770 STS combine came in with a clean out of 60-65% and a bushel weight of 15. The dockage for cleanout was 18¢ plus 2¢, or 20¢ a bushel coming from machines that were set and operated by experienced grass seed machine operators.

Next the Gleaner S77 sample was evaluated and the cleanout was the same–60-65%. They reported the sample was extremely clean, and had a bushel weight of 15.

We were told by Dave Johnson of Jacklin Seed that due to our inexperience, even though our bushel weight was the same as the John Deere, had we left our air setting at 1 instead of 0, our bushel weight would have come in at 16 instead of 15. David Johnson was impressed with the Gleaner's sample and bushel weight, considering this was a new machine.

These several days of harvesting grass seed opened the eyes of a lot of growers in Washington, Idaho and Oregon who attended the field day, as well as Jacklin Seed. We proved that our grain sample was better than both the John Deere and Case IH machines.

"Gleaner could be the combine of choice with some dealers promoting it in the Northwest" was the comment from one of the demo attendees. Thank you to the Walter Implement personnel for helping to set this event up, and supporting us on a most enjoyable week in the Northwest!

Custom harvesters experiencing extremely high yields in Colorado and Nebraska

Custom harvesters are experiencing some incredible yields and test weights as they harvest wheat in Colorado and Nebraska this year as they move to South Dakota. Gossen Harvesting who operates (7) Gleaner S78 combines, has been harvesting in the Wray, Colorado area and encountering crop yields as high as 100 bushel to the acre and heavy straw. Preston Gapinski, a combine operator for Kulhanek Harvesting, has been harvesting near Grant, Nebraska and shared with me a photo of his work screen on his C2100 terminal (right) in the cab of one of (3) Gleaner S78 combines they operate. The current yield at that time, was 79.0 bushels per acre and the average yield was 70.3 bushels to the acre with moisture at 14.4%. The S78 combines feature the 9.8L 7-cylinder engine rated at 375 hp. and a power bulge of 451 hp.

The harvesting rate was at 1,139 bushels per hour with a peak at 1,235 bushels per hour even though the engine load was 74% and the fuel consumption was at 12.4 gallons per hour. In the areas where he was experiencing 70 bushels per acre, the fuel consumption dropped to as low as 10.6 gallons per hour.

Brian Pherson of Pherson Harvesting encounted similar conditions in the same area with yields hitting 80+ bushels per acre and test weights at 64 lbs. per bushel. These kinds of averages will be seen as these harvesters head further north into South Dakota and North Dakota. This certainly helps to offset some of the

poor yields experienced in Texas, Oklahoma and parts of Western Kansas earlier in the harvest. We are also hearing some glowing reports of the polyurethane accelerator rolls as custom harvesters are at over 350 separator hours and the lugs show virtually no wear and still look great. We appreciate hearing from our custom harvesters and hope to report to you as they run further north on the harvest trail.

Demonstrate a new Gleaner S8 Series combine and receive a copy of Great Super.

The new S8 Series combines are living up to the hype in capacity, grain quality, low loss levels, and overall performance. Reports coming from the wheat harvest are truly revealing lower fuel consumption and DEF consumption which are directly linked to the higher sustained power and torque of these new twin turbo-charged engines. If you haven't experienced this higher level of productivity and efficiency of the new S8 series combines, we encourage you to go see your Gleaner dealer and request a demo. You can also go online to gleanercombines.com to request your demo directly from the website.

If you demonstrate a new S8 Series machine and complete a demo evaluation form following your demonstration, you will receive a copy of our new 144-page book entitled, "Great Super," the story of the Gleaner S7 and S8 Super Series combines.

We want to convince you that these are the most productive Gleaner machines we have ever built. We hope to see you in a new S8 Series this fall so sign up online or visit your Gleaner dealer for a demo.

Exciting changes to Gleaner in 2015

New perforated cascade pan

As crop dynamics have changed, farmers are harvesting more acres of higher-moisture, higher-yielding corn and other high-density crops. Because of this, the 2015 Gleaner has increased shoe capacity by opening up the cascade pan area. The pan is slanted at a 6° angle and an additional 992 square inches have been converted to pneumatic cleaning area. This provides additional cleaning capacity and allows high-moisture corn and other high-moisture crops to fall through sooner and reach the sieve and clean grain cross auger faster.

The cascade pan itself has ¾-inch ridges with holes running throughout. This design allows heavier-density seed to fall through as it comes down from our exclusive accelerator rolls. This process helps avoid potential buildup and substantially reduces shoe load to move this clean grain. This design change increases our capacity by approximately 10% in these conditions. In addition, the air duct has been moved forward 1½ inches to redirect the air to the crop that is falling through this perforated area to the front of the sieve or directly to the clean grain cross auger. This means the entire Gleaner cleaning shoe area is pneumatic and provides a 12.8% increase in measurable shoe area to 8,721 square inches over the 7,729 square inches on previous S7 Series machines. This modification also positively affects side hill operation and capacity with these crops.

Increased clean grain elevator speed

A larger drive pulley has increased the speed on the clean grain elevator by 6% over the current rating of 5,000 bushels per hour. This speed increase moves the additional higher-moisture grain away from the shoe faster and is designed to complement the shoe capacity increase from the perforated cascade pan and increased pneumatic shoe area.

New Ag Leader Ready Option

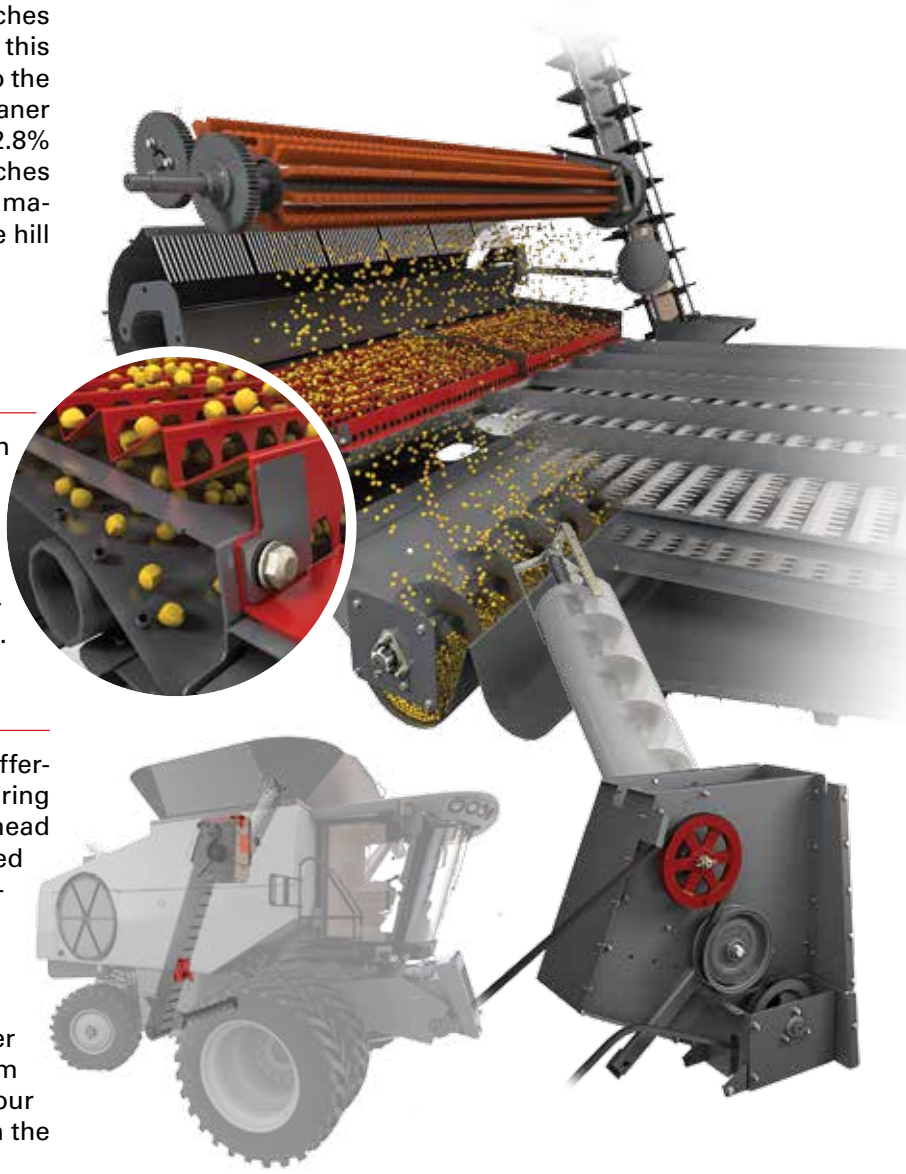
Based on customer feedback, Gleaner is now offering an Ag Leader® ready option that includes all wiring harnesses, Ag Leader yield sensor in the elevator head and the elevator mount kit, moisture sensor, speed module, terminal connection into the cab and everything needed to inc≠≠orporate either of the two Ag Leader displays (12.1" Integra® or 8.5" Versa™) into your Gleaner S8 Series combine.

With this option, all you have to purchase is either of the Ag Leader displays and mounting bracket from an authorized Ag Leader dealer and connect to your combine. The Gleaner C2100 terminal can remain in the cab and handle all other combine functionality except the yield sensor and yield-mapping functionality, which allows you view a live yield map and hybrid/variety yield mapping in real time for instant feedback on yield performance across the field on the Ag Leader display.

The 2015 Pre Sell Program

Purchase a new 2015 S68, S78 and S88 combine before December 31, 2014, and receive the following factory installed options free: New XR™ 2- speed shift on go hydro transmission, Ag Leader™ ready factory option, NightSight™ lighting incorporating (4) HID lights in cab roof, 2 additional LED lights on lower cab, and an LED row finder light, and a Premier™ Heated and cooled seat. The total retail value is $10,000. This is in addition to 12 months interest free financing as well.

See your Gleaner dealer and see these new machines at the fall farm shows.



Gleaner open house and showcase events are a huge success

Many Gleaner dealers are holding Gleaner Showcase events to bring Gleaner owners and competitive prospects into locations such as technical colleges, county buildings, and dealership shops to introduce the new S8 Series combines. They invite me and the regional marketing/product specialists to tell them about Optimum Harvesting Performance and the Gleaner advantage. Attendance at these events have been amazing! Butler Machinery has held Gleaner Showcase events in Dickinson, Minot, Hankinson, and Hoople, North Dakota with excellent results. Ziegler has also held meetings in DeForest, Wisconsin and recently held two events in Chillicothe and Maryville, Missouri. Just last week, a great event was held at CL Benninger in Chatham, Ontario to an enthusiastic crowd of over 100 people.

Many of these events use different methods to show many of the new features of these machines. Several had the 24-knife chopper display and there was a Gleaner rotor that was there for customers to see. One dealer even had pulled the rotor out of an S68 combine and had setup staircase steps so customers and competitive prospects could look into the Tritura™ processor and see everything including the chopper. Several dealers had the polyurethane lugs on display so customers could see the difference between the rubber and the polyurethane, and why they last much longer than the rubber lugs.

Several dealers like Regier Equipment in Nebraska and Lang Diesel in Kansas have been doing a lot of demos in wheat with awesome results. Prospect meetings and demos are attracting new prospects to Gleaner. Experience a new Gleaner S8 series in the field or at a dealer event if you haven't already.

Gleaner combines and wedding bells

Caleb Schleder, harvesting training manager for Gleaner combines and his beautiful wife, Jordan were married on June 28th in Chillicothe, Illinois. Caleb's family farm is in Green Valley, Illinois, just south of where the wedding was held. Caleb asked his wife for one request for the wedding, "make sure one Gleaner combine was in the ceremony." Now Jordan grew up across the road from Caleb so she appreciates his love and passion for agriculture. His two nephews Colton and Cooper were in the procession driving two pedal Gleaner S88 combines up the aisle which was priceless.

But they did one better. The lovely bride and handsome groom made sure that part of their wedding photographs included their impressive Gleaner S67 combine in the background. A truly beautiful wedding with a Gleaner theme I would say. Congratulations Caleb and Jordan and thank you for sharing these pictures for all our fans of Gleaner.

Gleaner S8 Series billboards at the fall farm shows

Farm Show	Farm Show Location	Billboard Location
Farm Progress Show	Boone, Iowa	US Highway 30, 0.1 mi. west of Linn Street
Husker Harvest Days	Grand Island, Nebraska	West Hwy 30 (Green Line), South Hwy 281 (Peterbilt) & East Hwy 30 (Stahla Mobile)
Ohio Farm Science Review	London, Ohio	Mobile sign truck

GLEANER® CARE

GleanerCare program in full swing

The GleanerCare 24/7 Uptime Assurance Program is an exciting new optional program that is available from a certified GleanerCare™ dealer and delivers 24/7 access to parts and service support for the full 2-year warranty period of the S8 Series combine, which is the longest in the industry. Go to the Gleaner website to learn about GleanerCare at gleanercombines.com. Under the GleanerCare tab you will find a map of the dealers eligible to sell GleanerCare as well new eligible dealers as they come on board.

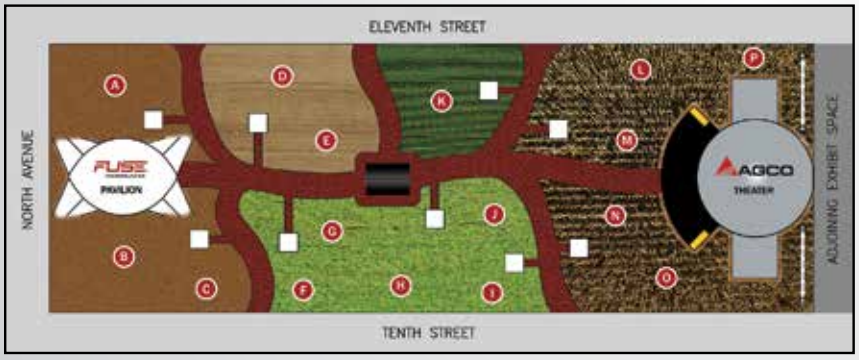
Kevin Bien, Brand Marketing Manager
Gleaner Combines

AGCO Your Agriculture Company
420 W. Lincoln Blvd., PO Box 969
Hesston, KS 67062

A New Way to Experience Farm Equipment!

This year in the AGCO booth, you'll notice something different. We're planning... we're planting... we're growing... and we're harvesting. We've turned our entire lot into a scaled-down version of a farm to demonstrate new ways to tackle the complex challenges of farming. We'll offer up the latest innovations from our brands - Massey Ferguson, Challenger, Fendt, White Planters, Sunflower, Gleaner, RoGator and TerraGator - plus show you how to get more from your operation using AGCO's next-generation approach to precision Ag technology.

Gleaner will be introducing some new features on the 2015 S8 Series combines that will increase capacity further in high moisture crops such as high moisture corn. In addition, you will hear about some technology enhancements that are a response to customer feedback that you will hear about in the booth area just behind the S88 combine and corn head. Don't miss Kevin Bien's Educational Series entitled "There's a Problem with your shoe!" on Tuesday at 11:00 a.m. and Wednesday at 3:00 p.m.



2014 Farm Progress AGCO Exhibit

- A Sunflower 1436 Disc Harrow / Challenger MT685E Track Tractor
- B Sunflower 6633 Land Finisher / Fendt 828V HHP Tractor
- C RoGator Model RG1300B with spinner box
- D White Planters 9816 Planter / Challenger MT775E Track Tractor
- E Sunflower 9413 Grain Drill / MF 6600 HHP tractor
- F Hesston by MF 9870 Windrower
- G Hesston by MF 2270XD Large Square Baler / MF 8730 HHP Tractor
- H Hesston by MF 1840 Small Square Baler / MF 4610 Tractor
- I Hesston by MF 2956 Round Baler / MF 5611 Tractor
- J Fendt 724V HHP Tractor with loader
- K RoGator Model RG700 Row Crop Sprayer
- L Challenger MT865E Track Tractor
- M Gleaner S88 Transverse Combine
- N MF2270 Bio Mass Baler / MF 7726 HHP Tractor
- O Massey Ferguson 9540 Axial Combine
- P MF 1700E / MF 1700P Compact Tractor