

What's in a bag?

- Richiger baggers load and compact grain inside three layer polyethylene bags that offer complete protection from weather and the elements.
- To keep contents cool, shaded and dry, a bag's outer white layer reflects away the sun's heat, its inner black layer blocks out light, and all three layers act as water and moisture barriers.
- Bags are manufactured with specially formulated resins and UV radiation inhibitors to withstand long months of sun exposure without degrading or growing brittle.
- Once filled with packed-down grain, most air is displaced from the bag; then within a few days grain's respiratory process uses up the residual oxygen, generating an inert atmosphere rich in carbon dioxide that slows down endogenous metabolic activity and helps conserve bag contents in top condition.
- The modified atmosphere virtually guarantees the absence of insects, harmful microorganisms, fungal infections and yeasts, doing away with toxic fumigants and reducing materials and labor costs. Each time grain is extracted, the bag can easily be sealed airtight again.
- Grain stored with high moisture levels inside bags will stay in good condition for longer periods of time than if stored in bins, but should be dried as soon as possible after extraction.



A Quick Guide for Dry Storage in Plastic Bags

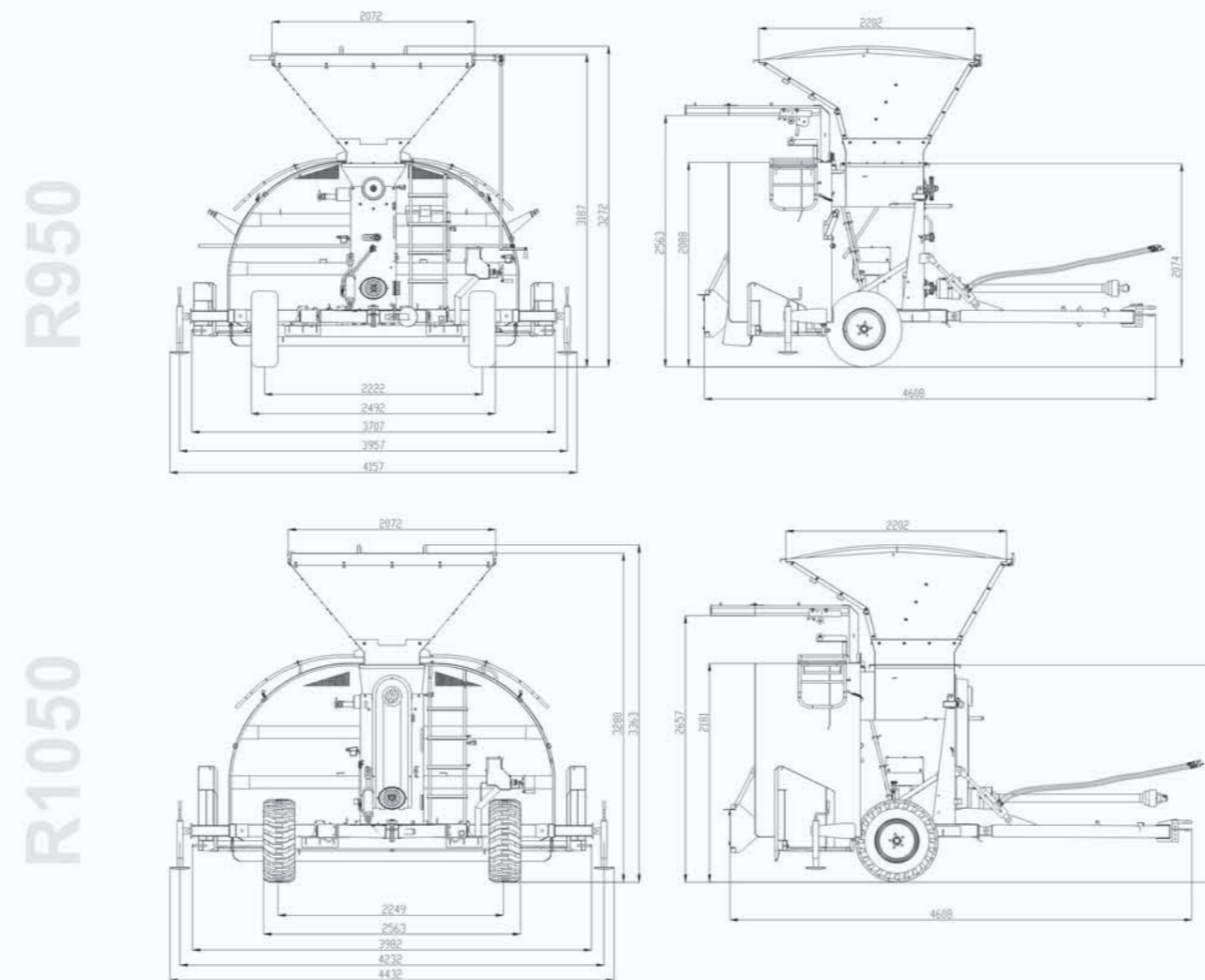
Risk in relation to grain moisture			
GRAIN	LOW (*)	MEDIUM/LOW	MEDIUM/HIGH
SOY, CORN, WHEAT	UP TO 14%	14 - 16%	GREATER THAN 16%
SUNFLOWER	UP TO 11%	11- 14%	GREATER THAN 14%

(*) For seed grain these values must be lowered by 1-2%

Risk in relation to storage time			
GRAIN/MOISTURE CONTENT	LOW (*)	MEDIUM/LOW	MEDIUM/HIGH
SOY, CORN, WHEAT 14%	6 MONTHS	12 MONTHS	18 MONTHS
SUNFLOWER 11%			
SOY, CORN, WHEAT 14%	2 MONTHS	6 MONTHS	12 MONTHS
SUNFLOWER 11%			
SOY, CORN, WHEAT OVER 16%	1 MONTH	2 MONTHS	3 MONTHS
SUNFLOWER OVER 14%			

All data supplied by INTA (National Institute of Agriculture and Livestock Technology - Argentina)

Dimensions (in Millimeters)



Technical Specifications

	R-950	R-1050
Power requirement	45 HP	80 HP
Loading rate	5 tons/min or 197 bu/min (corn)	10 tons/min or 394 bu/min (corn)
Weight	1,420 kg	1,620 kg



www.flexigrainstorage.com

R950

9' grain bagger

R1050

10' grain bagger

The innovative 9 ft. and 10 ft. baggers from Richiger® Gain the edge when storing your crop



We are proud to introduce our new 9 ft. and 10 ft. baggers. Maintaining the rugged construction that you've come to expect from Richiger® machines, the R-950 and R-1050 baggers are packed with new features. Both models can handle bags up to 330 ft. (100 meters) in length and are fundamental tools for managing the safe storage of your entire grain harvest, or of any surplus that exceeds your bin and silo capacity.



WE MEET YOUR PRODUCTION NEEDS

Time is at a premium when you harvest, so don't lose any!

No bottlenecks to deal with as grain goes inside the bag as fast as grain carts and trucks can deliver it.

Bagging is a tried and true system increasingly in use worldwide for the safe and economical storage of grain with minimum fuss. These are some of the reasons why:

1. Storing grain in bags covers the needs of small, medium and large producers.
2. Richiger's® grain bagging process – complemented by a line of automatic grain extracting machines – is by and in itself a complete, stand-alone grain storage and retrieval system capable of replacing conventional storage facilities at a fraction of the cost.
3. Not only small operators with little or no infrastructure, but commercial facilities and large farms adopt bags as ideal supplementary storage when bin and silo plant capacity is insufficient. You will never again be unsure of where to store that bumper crop that's coming up.
4. Ranging from 150 acre farms to grain-drying silos, ethanol plants and multinational grain trading corporations, the same bagging equipment serves all. Whether you have to fill a single bag or a hundred, the system adapts to your very specific needs!
5. 9 ft. bags that are 330 ft. (100 m) long can store some 13,000 bushels of corn (330 tons). 10 ft. bags that are 330 ft. (100 m) long can store some 16,000 bushels of corn (410 tons).
6. Proven, reliable and simple to operate, the baggers provide excellent compaction and no grain loss. Virtually all grains and legumes can be bagged.
7. On-farm storage using Richiger® baggers allows you direct control over grain inventory without middlemen intervention. Harvest season price hikes in transport, storage and handling can be avoided and profits increased by selling at a later date.
8. Logistics can be adjusted for added convenience. Strips of terrain adjoining the crops can be graded to provide areas for laying down the bags. This approach can reduce the downtime incurred in hauling grain around and takes up less equipment and resources at harvest. Alternatively, bags can be laid down in one or more centralized areas for longer term expediency in management and distribution.
9. Grain can be categorized by tagging the bags and detailing quality, moisture content, different dates of storage and other relevant data.
10. Organic or distinctive specialties can be stored separately and all kinds of pelleted materials can be bagged as well.

 **RICHIGER**

R950 R1050

Main Features

new

A bag deflector plate runs along the lower part of the tunnel. In conjunction with the rubber side guards attached to its sides, it prevents grain backflow from the bag to the forward section of the machine. It also helps produce a crinkle-free bag and lessens the risk of tearing from excessive grain accumulation at the sides.



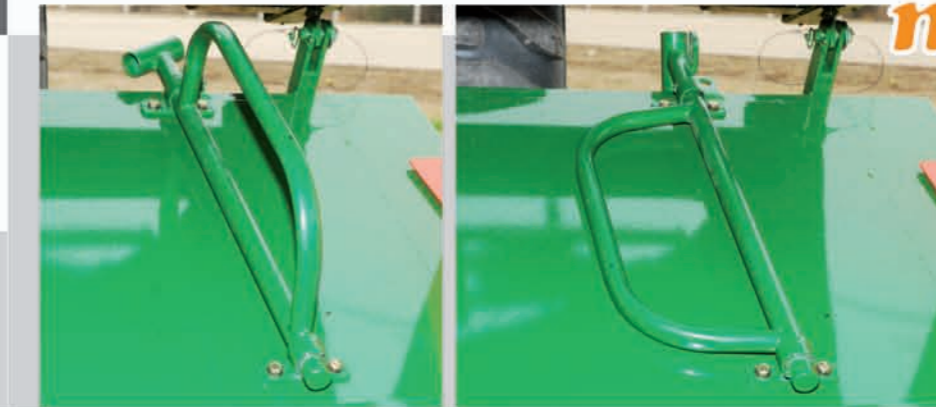
new

Bolted-on hopper panels are designed for straightforward adaption to Richiger's® truck auger, which permits direct loading from trucks, end dump trailers and gravity wagons.



The 340 mm Ø (R-950) and 450 mm Ø (R-1050) compression screws load grain fast. They are encased to deliver forward thrust while minimizing grain swirl from exposed flighting.

new



When lying flat, tensioner brackets ease the task of positioning the bag on the tray. When turned 90° up, they pick up the slack between the tunnel sides and the plastic sheet to ensure smooth extrusion of the bag.

new

Larger, high-load industrial type tires offer extra clearance and higher flotation in loose terrain. Tire lug pattern prevents wheel blocking by providing better grip in muddy or powdery soil conditions



new

Disc brakes supply superior restraining power in combination with the new tires. The disc section is cast with the wheel hub as a single piece, minimizing the chance of mechanical failure and maladjustment issues frequent in standard designs. Right and left wheel brakes are independent of one another

The specially designed tunnel produces a well contoured bag as the plastic unfolds, therefore preventing overstretched or wrinkled trouble areas in the finished bag.



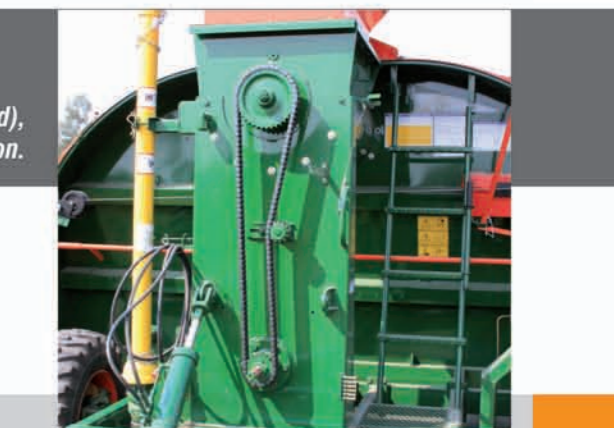
Side shields are an exclusive feature of Richiger® baggers. Sometimes grain contained in the bag can "spill over" to the sides due to sheer weight, so the shields prevent any bulging plastic from backing up against machine mechanisms.

new

The hydraulic setup provides accurate monitoring and control of brake action by using two independent pump units – one per wheel – for increased effectiveness.



Solid, heavy duty transmission (here shown with cover removed), ensures many years of trouble-free operation.



new

A passive braking shield or anchor works inside the mass of grain, creating resistance to bagger advance. This contributes to better compaction within the bag, at the same time placing less demand on the brakes.



Large sized reception hopper is provided with a tarp cover to prevent rain from reaching the grain in case of labor interruption