

# Bright Coop Inc.



## **TURKEY HARVESTER OWNER'S MANUAL**



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## **ATTENTION!!!!**

# **SAFETY FIRST**

**FAILURE TO READ AND UNDERSTAND THE  
OPERATING INSTRUCTIONS MAY CAUSE  
SERIOUS INJURY OR DEATH!!!!**

Before placing your Bright Turkey Harvester into service, read the following instructions. These instructions are for your safety. In the event that the labels become unreadable or removed, contact Bright Coop for replacements. Failure to adhere to the information contained in the labels can result in property damage, personal injury, and (or) death.

# **CAUTION**

**ALL LOCKING PINS MUST BE IN PLACE BEFORE  
MOVING THE EQUIPMENT!!!!**

Never attempt to move the harvester without all locking pins in place. Failure to install locking pins could cause extensive property and (or) equipment damage as well as serious personal injury and (or) death.

# **CAUTION**

**FRONT WHEELS MUST BE ON GROUND  
WHEN SETTING UP MACHINE.**

The front wheels of the harvester must be on the ground to provide stability to the machine.

# **CAUTION**

**DO NOT WORK UNDER MACHINE WITHOUT ALL  
LANDING LEGS LOWERED TO THE GROUND, AND ALL  
SAFETY DEVICES INSTALLED.**

Never attempt to work under the machine without the landing legs lowered and the safety devices installed. The harvester could become unstable causing property damage, personal injury, and (or) death.

# **“SAFETY FIRST” WATCH YOUR STEP**

Use caution when operating and maintaining harvester as inclement weather and accumulated feathers and (or) litter may cause slippery conditions to exist.

# **CAUTION**

**MOVING PARTS – SERVICE, CLEAN  
OR ADJUST ONLY IF POWER IS OFF.**

Never attempt to service, clean or adjust the harvester while it is in operation. The moving parts are dangerous and you could become entangled, causing property damage, personal injury and (or) death.

# CAUTION

**DO NOT ATTEMPT TO REMOVE GUARDS WHILE  
MACHINE IS IN MOTION (RUNNING)  
CAUTION – REPLACE ALL GUARDS BEFORE  
STARTING MACHINE**

Never remove the safety guards while the harvester is in operation. These guards protect you from the chains, sprockets, belts, and other moving parts. These parts become dangerous when unguarded. If a person is entangled in any of these parts serious injury or death could occur.

# CAUTION

**INSTALL CYLINDER SAFETY SUPPORT AROUND  
CYLINDER ROD WHEN SERVICING MACHINE IN  
A RAISED POSITION.**

When servicing the machine in a raised position always make sure that the safety support is in place and properly secured. A hydraulic leak of any kind could cause the machine to lower causing severe bodily injury and even death. Do not use temporary props as these could be ejected if the machine' load shifts.

# **CAUTION**

**DO NOT MAKE ADJUSTMENTS WHILE  
MACHINE IS OPERATING OR IN MOTION.**

Never attempt to adjust the harvester while it is in operation. The moving parts are dangerous and you could become entangled, causing property damage, personal injury and (or) death.

# **CAUTION**

**DO NOT ATTEMPT TO REMOVE FEATHERS  
WHILE MACHINE BELT IS IN MOTION.**

Attempting to remove feathers while the harvester is in operation could lead to entanglement causing serious personal injury or accidental death. Feathers should only be removed when the belt is not in motion.

# **Important!**

Suspension bolts must be checked at the intervals and torque specified by the decals located at the suspension.

***Failure to do so will void your warranty and may result in serious injury or death.***

Failure to maintain suspension bolt as well as other connecting hardware on the harvester could result in premature parts wear as well as equipment damage along with the potential for personal injury and (or) death.

## **TURKEY HARVESTER SAFETY PRACTICES**

### **READ CAREFULLY!!!**

It is our intention at Bright Coop Inc. to provide the safest most effective products available. But, ultimate responsibility for safety rests solely on the Operator. Take time, use caution, and follow safety recommendations. It could save time, money and lives!

**The** Bright Turkey Harvester weighs approximately 8,000 lbs. Be sure to tow it with a vehicle rated for at least this capacity.

**Before** transport, be sure that all electrical connections are properly connected to the truck and in proper working order.

**Make** sure that the cooper' platform is folded up and secured properly before transport.

**Never use** a hydraulic power source that exceeds 2,000 PSI to operate the harvester.

**Operators** should wear proper attire; safety glasses, ear protection, dust masks and no loose clothing that might get caught in moving parts.

**Make it a policy** to keep observers at least 6 feet away from machine during operation.

**The Operator** is responsible for the safety and well being of everyone around him. The operator should be cautious, alert, and aware of any unsafe conditions at all times.

**Select the** most level location available, clear of buildings, trees, ditches and electrical wires for setting up the harvester.

**We Do Not Recommend** the use of the harvester on any unlevel location.

**When releasing** landing gear extension make sure that all spring-loaded pins are secure in their positioning hole, before allowing any pressure or weight to be put on the gear.

**Caution:** There must be at least one axle on the ground at all times to help stabilize the machine and protect the harvester' trailer frame while in position for loading or in operation.

**Be Careful** when lowering the pick-up conveyer to the ground. Have an adequate number of persons to perform this operation. Do not let it fall to the ground, this could cause damage to the conveyer.

**Be sure** that the safety bar or chain is locked, after the coopers have stepped onto the cooper' platform.

**Caution:** Coopers should keep their feet off the foot guard and keep their hands off the end of the conveyer belt at all times.

**Always stop** the conveyer before attempting to remove feathers from rollers or inspection holes.

**Be sure to allow** the machine to completely rest in the proper position on the trailer frame before relocating or disconnecting the hydraulic hoses. Failure to do so will allow pressure to build up and make it impossible to reconnect the hydraulic power supply hoses.

**Caution:** If your machine is equipped with the House Tongue Accessory, do not attempt to tow the harvester any distance with this attachment. The location of the axles will only allow the harvester to be positioned in the house or loading location.

## SECTION 1.3 SAFETY

### **BRIGHT POWER PAK SAFETY PRACTICES**

**Always operate** the Power Pak in a well-ventilated area.

**Caution:** It is always a good safety practice to remove the Power Pak to a safe distance, away from any vehicles. (In case of fire or some other safety hazard.)

**Do not allow** the Power Pak to be placed on an incline of more than 15 degrees while in operation. The engine will not lubricate properly at any angle greater than 15 degrees.

**Be sure** to have an adequate number of persons to remove the Power Pak from the vehicle.

**Do not touch** the muffler after operating the machine.

**Do not touch** the spark plugs while the motor is running or while starting.

**Do not smoke** while refueling the engine or in proximity of the fuel tank.

**Always stop** the engine before refueling.

**Do not attempt** to adjust the timing belt, there are no adjustments that can be made.

**Keep Hands Away** from the belt area and from underneath the belt guard!

**Caution:** Always use clean hydraulic oil when refilling tank.

## SECTION 1.4 SAFETY

### **TURKEY HARVESTER MAINTENANCE** **SAFETY PRACTICES**

**Everyone** should stay clear of the Harvester when it is in the raised position.

**When the conveyer** is in the elevated position for cleaning or maintenance, make sure the Hydraulic Cylinder Safety Lock is installed around the cylinder and the pin is in place.

**Be cautious** when welding or cutting around hydraulic hoses or oil deposits (this can cause a fire).

**Be sure to** relieve the pressure on the hydraulic system before disassembling hoses or working on the hydraulic system.

**When cleaning** or performing maintenance be sure that all personnel are clear before operating the conveyer.

**Always wash and clean** the harvester to meet USDA and company requirements.

## SECTION 2.1 SETUP

### **GENERAL SETUP OF THE TURKEY HARVESTER**

**Step 1:** Choose a level place, if at all possible to locate the harvester for loading birds.

**Step 2:** Using the front landing gear, crank the machine upward, to relieve the pressure off the towing hitch. Release the hitch from the towing vehicle and drive it away.

**Step 3:** Crank the front landing gear downward, allowing the front of the machine to rest on the ground.

**Step 4:** Go to the rear of the machine and lower the drop leg and the drop leg extension inside the rear two landing gears. **Caution:** Be sure that the spring-loaded pins are locked into the positioning holes.

**Step 5:** Using the two rear landing gears, raise the machine upwards, just high enough to stabilize the machine, preventing it from walking forward and backwards, while operating it. **Caution:** Do not clear the ground with both axles when raising the conveyer, this will cause the machine to become unstable. There is a possibility of damaging the machine trailer frame if the axles are off of the ground.

**Step 6:** Release the front pick-up conveyer from the machine. Lower the conveyer to the ground easily. **Caution:** Do not use less than two men for this step, because if the conveyer falls too hard to the ground it could be damaged.

**Step 7:** Install the catch pen panels to the pickup conveyer, and build the catch pen, using the plywood panels and metal stakes. When building the catch pen, refer to the drawing diagram on the following page.

**Step 8:** At the rear of the machine, release the cooper' platform from it' transporting position, and fold down into loading position, securing the pens in their proper holes. **Caution:** Be sure the fast pins are locked into the proper holes and secured with their keepers.

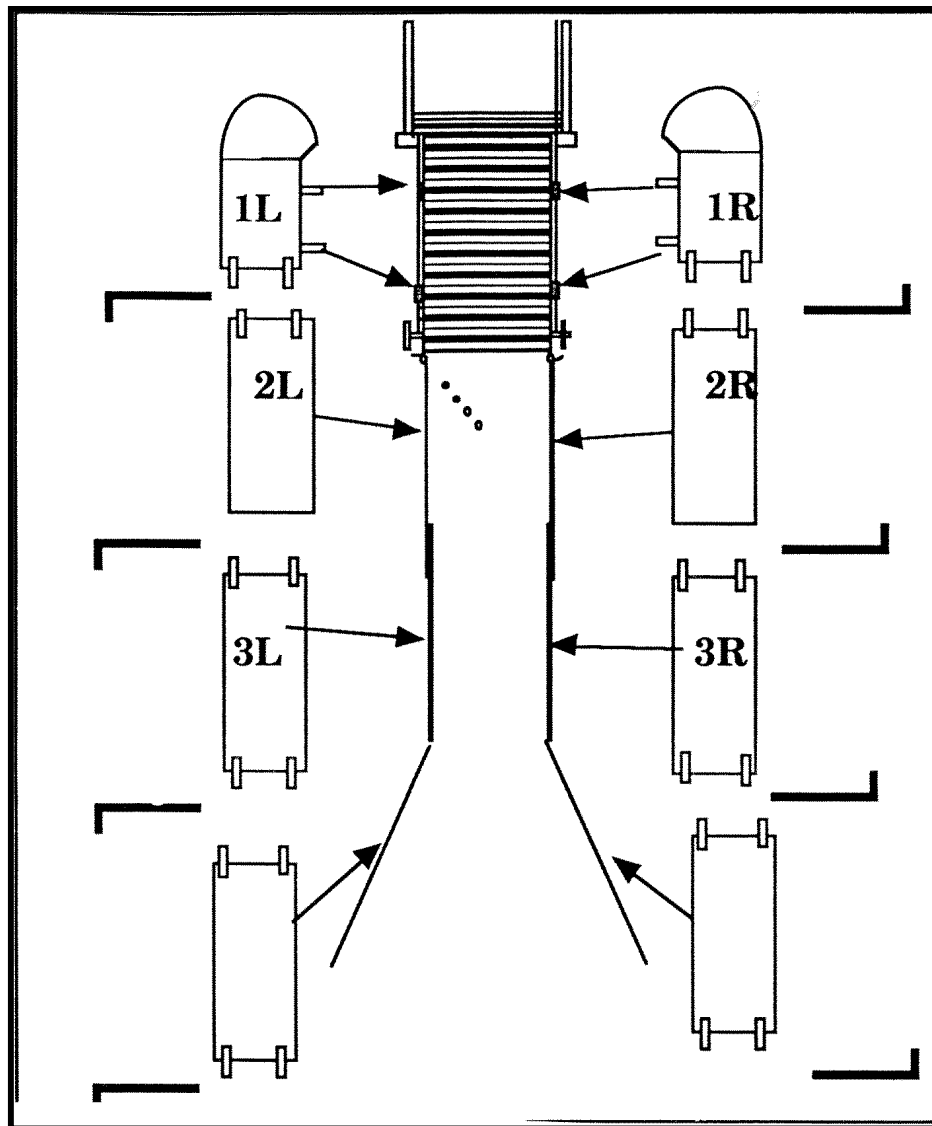
**Step 9:** Disconnect the male and female couplers from each other at the left side of the machine, and connect them to your power source.

**Step 10:** The machine is ready to be tested. **Caution:** Be sure all personnel are clear and all hands are free from moving parts before testing. Start your power supply and be cautious.

**Step11:** Your are now ready for the truck and racks. Be sure to retract the slide at least two-thirds of the travel of the cylinder. By doing this, once the truck is located, you will have a sliding action that will allow you to reach the truck with the forward motion, yet allow a safety feature of backing off from the truck of coops if it leans toward the loader when loaded.

**Remember:** A little time spent planning, choosing a good loading location and proper set-up of the harvester and catch pen, will pay great dividends for you and your crew in time, work, safety and downgrades.

## CATCH PEN AND CHUTE SET-UP



Step 1: With turkey harvester set-up in lowest position, install panels as shown. Tapered ends of panel 1R & 1L fit inside main conveyer walls. Stakes on the bottom of these panels fit into pockets on the pick-up conveyer.

Step 2: Panels 2R & 2L connect to panels 1R & 1L with the 2 short pins. These panels should be placed in line with the harvester.

Step 3: Panels 3R & 3L have a guide track which the #2 panels slide into. The #2 & #3 panels should overlap about 4 ½ feet. The #3 panels should also be in a straight line with the harvester.

Step 4: The remaining panels are identical and can be used to build the catch pen or extend the chute. These panels can be set at any angle.

## **BRIGHT TURKEY PRE-LOADER GENERAL SET-UP**

**Step 1:** With the harvester in the transit position, lower the tongue and swing it around to the side. The pre-loader may be powered out with the conveyer or pulled out by hand.

**Step 2:** Take pins out of stabilizer bars and fold forward.

**Step 3.** Lift the pre-loader out of the saddles and into main conveyer belt; (make sure that the front end of the trailer frame is between 18" and 21" off the ground).

**Step 4:** Carefully energize the main conveyer belt to slowly push the pre-loader out until the stabilizer bars can be hooked.  
Caution: If the pre-loader stops moving, turn off the main conveyer and lift the slide out and hook the stabilizing bars.

**Step 5:** Set the Turkey Harvester in the loading position.

**Step 6:** Adjust the height of the pre-loader on the approach end to the desired height.

## **TRANSPORTING**

Step 1: Return the harvester to the transit position and raise the front of the pre-loader off of the ground with the front landing gear on the trailer frame.

Step 2: Carefully turn main conveyer belt on. Run slowly. When pre-loader gets back to running gear, stop the main conveyer belt.

Step 3: Lift the preloader up and back into the saddles.

Step 4: Adjust the pre-loader all the way down with the leveling jacks on the approach end. **Leveling jacks must be all the way down.**

Step 5: Fold the bars and pin them in place.



## **TURKEY HARVESTER** **GENERAL OPERATING INSTRUCTIONS**

Assuming the harvester is set-up and operating, and birds have been driven into the catch pen, do not try to rush too many at a time into the loading chute and onto the pick-up conveyer. This will result in frightening and exciting the birds, causing them to become hot and you will experience more downgrades on the birds.

Also, if too many are pushed onto the pick-up conveyer at one time, it will result in too many arriving at the loading end of the machine for the coopers to handle. Also, more birds will fall back down the conveyer causing more down grades. Smaller groups of birds (12-15) should be put on the conveyer at a time. This will allow the coopers and operators of the machine to keep the belt moving at a steady slow speed. Also, keeping a steady flow of birds going on the machine, stopping the belt only when necessary, helps the crew members driving the birds because they do not see the pick-up conveyer as much.

**REMEMBER:** The machine operator and coopers cannot perform for maximum output without the cooperation of the drivers. They must all work together and support each other's functions in order to achieve the best results.

If birds try to fly out of the entrance of the machine, a cover to darken this area may be helpful. There are several reasons this sometimes occurs: light, shadows, drivers rushing the birds and sometimes just the type of birds they are.

Position the end of the conveyer belt just a little below the coop floor level. This will help considerably on placing the birds in the coop.

When loading "flity" birds (especially hens), it may be necessary to lower the roof of the conveyer, using the windless on the right hand side of the rear of the machine.

**Caution:** Before allowing the truck to be pulled up to another location, after filling the coops at this location, be sure that the slide is retracted back for enough clearance to prevent the truck from hanging the machine. **THIS IS A MUST !!!**

If the loader fails to pick up the birds to the proper height, it could be several things, but most likely the power source pressure will need to be adjusted. This can be accomplished by adjusting the pressure relief valve on the pumping unit. If it is a Bright Power Pak, read the instruction sheet on the power pak.

When transporting the machine and towing it to another location, **ALWAYS**, lower the roof of the conveyer to the lowest position to prevent damage to the conveyer side panels, roof and windless cable.

**REMEMBER:** No two flocks of birds will react the same to the loading process. We hope that these suggestions will help you speed up your operation. The Bright Harvester is like any other machine, it is only as good as the operator and crew running it.

## **BRIGHT POWER PAK** **GENERAL OPERATING INSTRUCTIONS**

Before starting the engine, (or electric motor) be sure to **check the oil** in the engine crankcase and the hydraulic oil reservoir tank.

Have the power pak as far away from the harvester as possible before starting the engine or motor. This reduces the noise around the birds, straightens hoses reducing pressures and reduces fumes in the general work area.

Always anchor or chock the unit in some way to prevent it from shifting and walking during operation. This will also reduce vibration. The best location for the Power Pak is on the ground. The ground serves as a cushion and reduces vibration.

When transporting the Power Pak or when it is disconnected from the harvester, connect the lines together. This will keep dirt and grime out of the hydraulic system.

While loading birds, periodically observe the screen over the Power Pak motor flywheel. When feathers accumulate they must be removed to keep the engine from overheating.

**Caution:** Do not allow the unit to operate more than 15 degrees off level. If the system is off level more than 15 degrees the oil system will not lubricate properly.

Pressure adjustment is accomplished by adjusting the pressure relief valve. (See Parts Manual)

1. loosen jam nut
2. remove cap
3. adjust allen head screw (tighten to increase, loosen to decrease)

**Caution:** Do not shorten hoses for any reason. The hoses that are supplied act as an after cooler and keep oil from overheating.

The Power Pak is equipped with a generator for recharging the battery under normal conditions. It will also provide enough power to operate a 200-watt DC light bulb for use while loading at night. There is no plug for the light to operate from. You will have to use electrical clips on the battery terminals. **REMEMBER:** Use only DC bulbs.