



BERMUDA KING HARVESTER

THE BERMUDA KING HARVESTER is built for years of digging sprigs with a minimum of maintenance. The following is some basic information which may be helpful in the operation of your harvester.

Begin by checking for any loose bolts, nuts, chains and belts which may have come loose during shipping. After 3 hours of operation, check again. Adjust drive belts and chains with idler. Connect *Power Take Off* to tractor and hydraulic cylinder hoses to tractor. Harvester is designed for 540 RPM **only**.

Before attempting to dig roots, raise digging teeth off the ground. Engage PTO to about 1800 RPMs, start moving tractor slowly forward. Ease digging teeth into the ground as you are moving to a depth of 1 to 2 1/2". Adjust wheels to your particular soil conditions.

Adjust drive belts and chains with idler.

We use a good quality bearing. Lube as follows:

<u>Conditions</u>	<u>Temperature</u>	<u>Lube Interval</u>
Clean	32 to 120 Degrees	6 to 10 Months
	120 to 150 Degrees	1 to 3 Months
	150 to 200 Degrees	1 to 4 Weeks
Dirty	32 to 150 Degrees	1 to 4 Weeks
	150 to 200 Degrees	Daily to 1 Week
Moisture	32 to 200 Degrees	Daily to 1 Week

After greasing replace guards-

Do Not Operate Equipment Without Guards. Keep a safe distance from all moving parts.

Check oil on Gear Box. Keep to level of drain plug. Use 90 Weight oil.

AVAILABLE EQUIPMENT

Potato Chain: When you receive your new harvester notice how the chain “bellies out” or hangs under the main frame of machine; this is correct length. After a few hours of operation the chain has a tendency to expand. Find the “master link” (torch cut on a 45 degree). Take out the appropriate number of links so chain is back to approximately its original length.

Mentex Chain: This chain is generally used with the finer type grasses such as Tifton #419, U-3 etc and has very little stretch or wear. After many hours of use and thousands of bushels of harvested sprigs you may need to shorten by finding the “master link” (the pin with nut) and take out every other pin until chain is back to its original length. Do not attempt to take out pins which are spot welded.

Riveted Rubber Belted Chain: This is our very finest chain. Its life expectancy is several times that of our regular potato chain. After many hours of use and many thousand of bushels of harvested sprigs you may need to shorten length. Find the “master link” cut rubber belt to desired length or as close to original length as possible. Punch or drill new holes in remaining belt and attach with the “master link”. Note: do not try to push through one side of the “master link” to the other side. Push small end of Rod from the inside of chain holder far enough to start the other side. You can now easily push the second end in.

Digging Teeth: We make two kinds of digging teeth. The 1/2" special teeth, designed for golf course type Harvesters and 2" teeth, designed for pasture type Harvesters. Both are surfaced. If your Harvester is equipped with the 2" digging teeth we like to let you know they are hard surfaced on both ends and can be switched. This gives you twice the wear on a set of teeth. Remember, always dig with good sharp, square teeth. You'll dig more sprigs in less time and decrease wear and tear on you harvester with a good set of teeth.

Road Ready Harvester:

To prepare your harvester to dig, first loosen lock nuts located on the safety bars on top of elevator. Raise elevator with hydraulic cylinder. With two people, one front, one rear, swing elevator to the Aworking or digging position. Insert the two 1/2" bolts into provided holes and tighten nuts. Proceed as in paragraph #3. You are now ready to dig.

60" Road Ready Harvester

The axle must be extended with this particular Harvester. Near the right rear wheel is a 1" bolt with 1 1/2" head. Take this bolt out, raise axle and pull out extension until you locate the matched hole at opposite end of axle. Put bolt back in and tighten.

Rear Load Harvester. If your Harvester is a Rear Load, attach sprig wagon to hitch provided. Connect Harvester to tractor and proceed as in paragraph #3. Do not allow anyone in sprig wagon while digging sprigs or behind Harvester while digging.