GE-O-95120 MM

Operator's Manual

Mix-All Mixers

95MX & 120MX

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MANUAL PREVIEW

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Owner's Manual
## SPECIFICATIONS

### 95 MIXER

- **Mill Feeder Options**: Swinging Auger Feeder, Hay Feeder, Plain Feeder, Bale Feeder, Swinging Auger Feeder-Hay Feeder Combination.
- **Discharge from Mixer**: 6\" Auger Conveyor, 12' long, rotates 270 degrees, 3' Extension optional. Auger located 46" off ground.
- **Capacity of Mixer**: 95 bushels, 118 cu. ft. capacity.
- **Diameter of Mixing Auger**: 12" top, 24" base.
- **Tires (optional)**: 9.5 - 7.60 x 15
- **Height**: 108"
- **Length**: 147"
- **Width**: 24"
- **Power recommended**: 40-80 HP

### 120 MIXER

- **Mill Feeder Options**: Swinging Auger Feeder, Hay Feeder, Plain Feeder, Power Bale Feeder, Swinging Auger Feeder-Hay Feeder Combination.
- **Discharge from Mixer**: 7\" Auger Conveyor, 12' long, rotates 270 degrees, 3' Extension optional.
- **Capacity of Mixer**: 120 bushels, 149 cu. ft. capacity.
- **Diameter of Mixing Auger**: 12" top, 24" base.
- **Height**: 108"
- **Length**: 147"
- **Width**: 24"
- **Power recommended**: 45-100 HP

### 95MX and 120MX GRIND-ALL MILL

- **Number of Hammers**: 66
- **Width of Grinding Chamber**: 21"
- **Diameter of Grinding Cylinder**: 20"
- **Diameter of Mill Shaft**: 2 1/4"
- **Speed recommended**: 2700 RPM

### 95MX and 120MX SWINGING AUGER FEEDER

- **Length of Conveyor**: 7'
- **Size of Auger**: 10".
- **Hopper Width of Max. Point**: 42".
- **Height of Hopper Off Ground in Down Position**: 18".
- **Width Mounted in Transport Position**: 96"

### 95MX and 120MX OPTIONS

- **Bale Table for Hay Feeder**: 59 lbs.
- **Discharge Conveyor Extension**: 29 lbs.
- **20" Magnet**: 20 lbs.

### 95MX WEIGHTS

- **Weight of Mixer with Mill, PTO, less tires**
  - w/Gravity Feeder: 2501 lbs.
  - w/Swinging Auger Feeder (Including Connecting Chute): 2933 lbs.
  - w/Hay Feeder (Including Plain Hopper): 2730 lbs.
  - w/Swinging Auger Feeder-Hay Feeder Combination: 3030 lbs.

### 120MX WEIGHTS

- **Weight of Mixer with Mill, PTO, less tires**
  - w/Gravity Feeder: 2679 lbs.
  - w/Swinging Auger Feeder (Including Connecting Chute): 3185 lbs.
  - w/Hay Feeder (Including Plain Hopper): 2908 lbs.
  - w/Swinging Auger Feeder-Hay Feeder Combination: 3282 lbs.

### 95MX SWINGING AUGER FEEDER

- **Length of Conveyor**: 7'
- **Size of Auger**: 10".
- **Hopper Width of Max. Point**: 42".
- **Height of Hopper Off Ground in Down Position**: 18".
- **Width Mounted in Transport Position**: 96"

### 95MX and 120MX POWER BALE FEEDER

- **Adjustable Height Feed Table**
  - **Width of Throat**: 22".
  - **Width in Transport Position**: 10 ft.
  - **Length of Feeder Table**: 60\(\frac{1}{2}\) ft.
  - **Small Grain Chute**: 0.6 ft.

*(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)*
When the Shifter Pin is disengaged, be sure the Clutch Lift Pin engages groove at top of the Cam.

When starting the Mill Drive, engage the PTO Lever at slow Tractor idling speed. Advance PTO to rated load speed of either 540 or 1000 RPM.

GRINDING OPERATION

When grinding small grains and Mill is equipped with Gravity Feeder, start with a small Shutter opening. Increase size of opening slowly until it is noticed that Tractor is operating at rated PTO speed.

The Hammer Mill will operate most efficiently if the material being ground is fed into the Mill in a steady stream. Uneven feeding allows the Hammer Mill to run empty at times and overloaded at other times.

IMPORTANT: If Mill or Blower become plugged, be sure Cylinder, Conveyor, Blower Inlet and Blower Fan are cleaned before Tractor PTO is engaged. Attempting to drive the Mill while plugged will result in serious damage to Drive parts.

IMPORTANT: Keep Mixer Tank interior clean and free of rust and corrosion. To clean the Mixer Tank, feed approximately 10 or 12 bushels of shelled corn through the Concentrate Hopper into the Mixer Tank. Allow corn to agitate for ten minutes or longer to clean Tank.

When transporting a loaded Mixer, disengage the Hammer Mill Drive Sheave. Start Tractor again and allow the Mixer to continue operating for a few minutes to thoroughly mix the ground feed.

NOTICE

When filling the Mixer Tank, be sure the Discharge Feed Slide is closed.

MIXING OPERATION

For best mixing, grind heavy feeds first. NEVER GRIND HAY FIRST. Light weight materials do not mix as readily if ground first. Grind hay after grinding heavy material.

When heavy feeds are high in moisture content, the wet heavy material should be mixed into light, dry feed to absorb the moisture. Material with too high moisture content can cause a serious packing problem and result in poor mixing.

When grinding hay and ear corn with husks, grind 200 pounds of corn and then a bale of hay. This will prevent bridging in the Mixer Tank.

Liquids, such as molasses, should be added only after the Mixer is at least half full. A liquid Molasses attachment is available as optional equipment.

Watch action of the ground feed through the Mixer Tank Windows. When the top window is covered, continue feeding into the Hammer Mill. When all material remaining in the grinding chamber has been ground, the Mixer is full.

NOTE: Be careful not to over-load the Mixer. This will cause feed to pack and overload the Mixing and Drive Mechanisms.

IMPORTANT: Take note of calibrated settings at Tank Windows and feed pound chart decal.

Always keep the Mixer Cover Lid in position. The Cover Lid Spring allows the Cover Lid to raise and let feed over-flow if the Tank is accidentally over-loaded.

After grinding, stop the Tractor and disengage the Hammer Mill Drive Sheave. Start Tractor again and allow the Mixer to continue operating for a few minutes to thoroughly mix the ground feed.

CONCENTRATE HOPPER

Add concentrates and supplements through the Concentrate Hopper. Concentrates or feed supplements should be added at the beginning of the mixing operation to allow enough time for thorough mixing with the ground feed.

Follow steps below when adding concentrates through the Concentrate Hopper.

1. To hold the Concentrate Hopper Cover open, fasten with Catch (Hook) located on the Mixer Tank.
2. Always keep Bag Guard, located in Hopper, in place.
3. DO NOT pour any liquids, such as molasses, into the Hopper.
When the Lever is forward from “neutral”, the Feeder Apron travels at “slow” speed. This “slow” speed will feed one bale per minute.

When the Lever is to rear from “neutral”, the Feeder Apron travels at “fast” speed. This “fast” speed will feed two bales per minute.

Units equipped with Hydraulic Apron Speed Control have a speed range of zero to three bales per minute. To adjust Apron speed, loosen knob and turn Control Lever “up” or “down” to increase or decrease speed.

Place bale on the Bale Table, cut and remove strings or wires and then engage the Apron Speed Control.

NOTE: If blockage occurs between Shredder and Hammer-Mill, raise outside portion of the Throat Plate 1/2 inch for air intake under the Shredder.

Always keep Cylinder Knives sharp to provide more aggressive feeding. Sharpen Knives in the machine when necessary. IMPORTANT: DO NOT sharpen side of Knife opposite the bevel.

When Knives have been sharpened down to a point where they cannot be sharpened again, remove rivets and re-rivet Knife to Holder on opposite side of the Cylinder to permit use of other half of the Knife.

Grain can be fed into the machine while grinding bales and also when the Bale Table is in transport position and the Cylinder is not rotating.

To feed grain with the Power Bale Feeder mounted:
1. Fasten Hopper Cover in “up” position.
2. Open Hopper Shutter and feed grain. Adjust opening so Tractor operates at rated PTO speed.

ATTENTION: Guards have been removed only for illustration.