

OPERATIONAL BULLETIN: AGRITRON GRATE

NOTE: When burning corn it is **CRITICAL** that you use only clean dry corn (14.5% moisture content or below). The drier & cleaner the fuel, the better.

Residue such as husks, cobs or stalk fragments will very likely cause uneven feed and or cause auger jams. To avoid problems, we strongly recommend screening your corn.



**Agritron Grate -
heater models**



**Agritron Grate -
step top models**

Start your stove with the Agritron Grate as follows:

1. Turn auger off using lower switch on right rear corner of stove back panel. Turn fuel switch off on Glow Boy step top models. (NOTE: Some stoves may have a 2nd switch on the rear panel; please disregard this switch).

For newer stoves without the rear switch, use the following method:

- a. Press START
 - b. Press OFF switch; This turns the auger off
2. Place a handful of wood pellets in the bottom of the grate. Proprietary starters or rolled up newspaper may be used in the place of wood pellets, though they may not work as well.
 3. Light the pellets and close the door part way until the pellets are burning briskly.
 4. Close and latch the door securely and restart the system to feed fuel.
After an initial 15 minutes startup period, turn the fuel feed to #3 setting for at least 30 minutes*. This is necessary to build up an adequate bed of coals to maintain combustion at lower feed settings.

* NOTE: You may need to experiment with the length of time at #3 setting as different hybrids of corn and moisture levels present different burn characteristics.

Glow Boy step top model only: To prevent grate overloading, you may not be able to operate the stove above fuel setting #3.

5. If necessary, adjust the air damper (air intake) so that you have a brisk flame. See your owners manual for additional information on this adjustment as it is critical that you have the proper air adjustment for satisfactory burning.

Cleaning Procedure:

When the grate starts to fill up you will need to complete the following:

- a. Shut the stove off
- b. When the stove has cooled, remove the pellet chute guard (shop heaters only)
- c. Remove the grate and dump ash & clinker out of the grate into a metal container
- d. If residue adheres to the grate, use an edged tool to scrape it away.

Cleaning intervals will vary in time from a low of 8 hours to as much as 30 hours or more depending on such factors as fuel feed rate, hybrid being used, cleanliness and dryness of fuel.