

**RGO Sales**  
**North Battleford, SK**  
**306-445-0674**

**Owners Manual for Light Foot Grain Cleaners**

**Warning:** WHILE THE MACHINE IS IN OPERATION MAKE SURE ALL GUARDS ARE IN PLACE AND PROPERLY FASTENED. DO NOT WEAR LOOSE CLOTHING NEAR ANY MOVING PARTS. KEEP HANDS AND FINGERS AWAY FROM ANY MOVING PARTS WHILE IN OPERATION. DISCONNECT FROM POWER SOURCE BEFORE ANY SERVICE WORK IS PERFORMED. KEEP CHILDREN AND ANIMALS AWAY FROM MACHINE WHILE IN OPERATION.

**FAILURE TO DO SO COULD RESULT IN SERIOUS BODILY HARM!**

**DESCRIPTION:**

THE MODEL 6048 IS A TWO DECK, FOUR SCREEN CLEANER WHICH IS DESIGNED FOR CLOSE SEPERATION OF SEEDS/CHAFF/DEBRIS. THERE ARE TWO 6048 MODELS, 6048 WITH JUST BOTTOM AIR AND 6048 TBA WITH TOP AND BOTTOM AIR.

**SETUP:**

THE MACHINE COMES FULLY ASSEMBLED READY TO OPERATE. BE SURE THE MACHINE IS LEVEL AND FULLY ANCHORED DOWN WHILE IN OPERATION. FAILURE TO DO SO WOULD MAKE A SIDEWAYS OR BOUNCING MOVEMENT NOT FULLY UTILIZING THE WHOLE SCREEN SURFACE. THE MACHINE COMES WITH A 17-INCH BASE USED TO GIVE CLEARANCE FOR A TAKE AWAY SYSTEM.

**PARTS OF THE CLEANER**

HOPPER INLET: THE HOPPER WILL HOLD APROXIMATELY 3 CU FT OF MATERIAL. THE HOPPER INSIDE CONTAINS THE FEED ROLL. THE FEED ROLL WILL BE AN ANTI-CLOG ROLL. NEVER PUT YOUR HANDS OR FINGERS IN THE HOPPER WHILE MACHINE IS IN OPERATION OR WHILE CONNECTED TO POWER. THE HOPPER FLOW CONTROL IS LOCATED ON THE REAR OF THE HOPPER AND CAN BE ADJUSTED BY THE THUMB SCREW. LOOSEN THUMB SCREW AND ADJUST YOUR FLOW RATE, THEN TIGHTEN THUMB SCREW. FROM HERE THE MATERIAL WILL FLOW EITHER THROUGH AN AIR CHAMBER (6048 TBA) OR ONTO THE FIRST OF 4 SCREENS.



## **TOP AIR ASPIRATOR (6048 TBA ONLY)**

THE MODEL COMES WITH TOP AIR ASPIRATOR, WHICH PRECLEANS THE LIGHT CHAFF FROM THE PRODUCT BEFORE THE SCREENING PROCESS. THE TOP AIR IS ADJUSTED BY OPENING THE DAMPER JUST ENOUGH TO VACCUM OFF DUST AND SMALL PARTICLES WITHOUT DISTURBING ANY SEED. REMEMBER YOU HAVE THE FINAL AIR CHAMBER TO GO THROUGH TO SEPARATE OUT THE BALANCE THAT IS LEFT.

## **TOP DECK:**

THE TOP DECK CONTAINS TWO SCREENS, ONE TOP SCALPER SCREEN AND A BOTTOM FINE SCREEN. THE TOP SCREEN WILL SCALP OFF ANY LARGE DEBRIS AWAY FROM YOUR PRODUCT AND GO INTO THE SIDE DISCHARGE CHUTE. YOUR SCALPED PRODUCT WILL GO THROUGH THE SCALPER SCREEN AND ONTO A FINE SCREEN, WHICH WILL SIFT OUT ANY SMALLER DEBRIS, WEED SEED AND MATERIAL AWAY FROM THE PRODUCT. IT IS ALWAYS IMPORTANT TO USE THE PROPER SIZE SCREENS TO MAXIMIZE THE MACHINE CAPACITY. ENCLOSED IS A SEED SCREEN CHART SHOWING SUGGESTED SIZES TO CLEAN COMMODITIES. THE DECKS HAVE AN ADJUSTMENT HANGER. ALWAYS MAKE SURE THE MACHINE IS LEVEL IN OPERATION. THE ADJUSTMENT WILL ADJUST THE TILT OF THE FLOW TO EITHER LENGTHEN THE TIME ON THE SCREENS OR SHORTEN THE LENGTH OF TIME ON THE SCREENS. ALWAYS MAKE SURE THE MACHINE IS LEVEL SO THERE IS NO SIDE MOVEMENT IN PRODUCT.

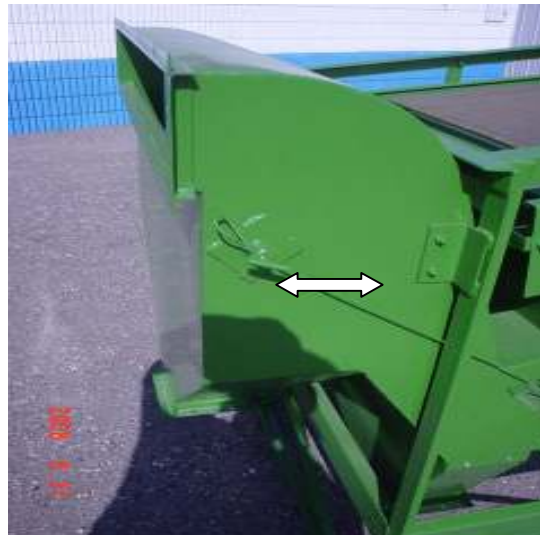


## **BOTTOM DECK:**

THE BOTTOM DECK CONTAINS TWO SCREENS. A SCALPER SCREEN, WHICH IS SIZED ONE SIZE SMALLER THAN THE TOP DECK SCALPER SCREEN. THE PROCESS IS REPEATED FURTHER SIZING YOUR PRODUCT. THE SAME DESIGN FOR ADJUSTMENT ARE USED ON THE SECOND DECK. AGAIN MAKE SURE THE MACHINE IS LEVEL.

## **BOTTOM AIR CHAMBER:**

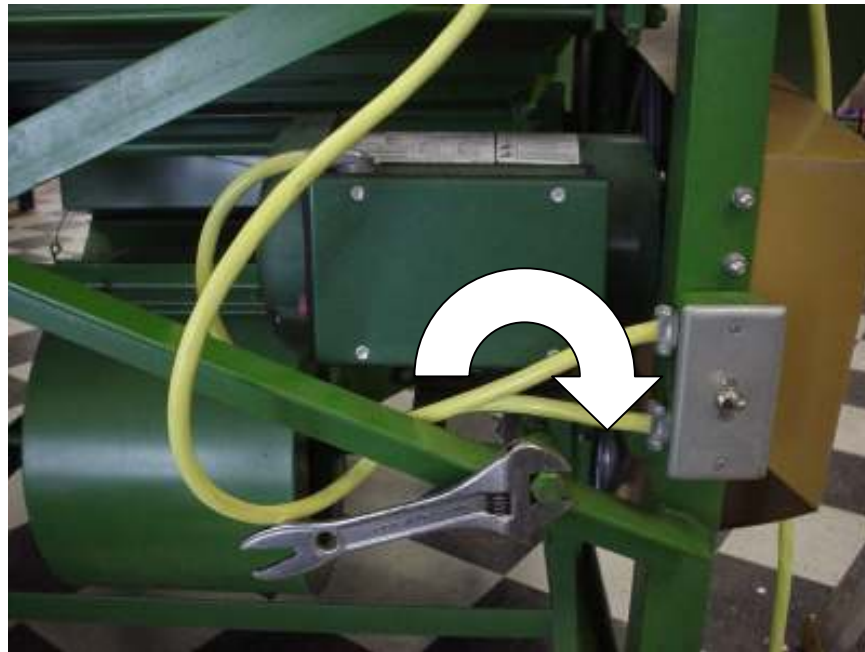
THE SCREENED PRODUCT THEN GOES INTO THE BOTTOM AIR CHAMBER IN WITH THE PRODUCT WILL GO THROUGH A STREAM OF AIR TO BLOW OUT ANY LIGHTER FOREIGN MATERIAL FROM THE PRODUCT. ONCE AGAIN THIS AIR SYSTEM IS ADJUSTABLE THROUGH A DAMPER CONTROL ON THE FRONT BY THE AIR RELEASE DISCHARGE. THIS IS TO BE CHECKED TO MAKE SURE JUST ENOUGH AIR IS USED TO SEPARATE THE LIGHT MATERIAL FROM THE GOOD PRODUCT BUT NOT ENOUGH TO BLOW TOO MUCH GOOD PRODUCT AWAY. IT IS TYPICAL TO LOSE A SMALL AMOUNT OF GOOD PRODUCT IN THIS PROCESS. REMEMBER YOU MUST LOSE SOME GOOD PRODUCT TO GET THE ENTIRE FOREIGN PRODUCT OUT.



## **CLEANED PRODUCT DISCHARGE:**

THE CLEANED PRODUCT DISCHARGE IS LOCATED TO THE FRONT BEHIND THE HEAVY AIR SEPERATION DECHARGE. STANDING BEHIND THE MACHINE THE ADAPTER WOULD BE SLANTED TO THE LEFT OF THE MACHINE. ALL OUTLETS ARE FLANGED AND HOLED FOR ADAPTERS WHEN AND IF NEEDED. THE ALTERNATIVE WOULD BE TO RAISE THE MACHINE IN THE AIR AND PRODUCT CAN BE BAGGED OR CONVEYED FROM THAT POINT.

## **ADJUSTING SPEED OF SHAKE AND FAN SPEED**



TO SLOW MACHINE DOWN TURN MOTOR MOUNT BOLT CLOCKWISE SO THAT IT TIGHTENS THE BELT CAUSING THE ADJUSTABLE PULLY TO SPREAD MAKING THE PULLY SMALLER. TO SPEED MACHINE UP TURN BOLT COUNTER CLOCKWISE TO LOOSEN THE BELT CAUSING THE PULLY TO COMPRESS MAKING IT BIGGER.

**THE MAIN THING IS TO KEEP THE MACHINE LEVEL AND FULLY ANCHORED DOWN.**

THE SCREEN SIZES LISTED BELOW ARE A CHART TO GUID IN SETTING UP YOUR MACHINE. YOU WILL HAVE TO MAKE CHANGES TO PROPERLY FIT YOUR PRODUCT. IF YOU HAVE QUESTIONS PLEASE CONSULT YOUR DEALER.

| <b>Commodity</b>             | <b>Top Screen</b>    | <b>Bottom Screen</b>                   |
|------------------------------|----------------------|--|
| <b>Alfalfa</b>               | 1/15 or 5/64         | 6x22 or 6x24                           |
| <b>Alsike</b>                | 1/18 or 1/20         | 6x32                                   |
| <b>Barley</b>                | 18/64 or 16/64       | 1/13x1/2, 1/14x1/2, 5/64x3/4, 6/64x3/4 |
| <b>Brome Grass</b>           | 1/13x1/2             | 6x22, 6x24                             |
| <b>Buck Wheat</b>            | 16/64, 14/64         | 8/64, 7/64                             |
| <b>Clover Crimson</b>        | 5/64                 | 6x22 wire mesh                         |
| <b>Clover Ladino</b>         | 1/20                 | 6x32                                   |
| <b>Clover Red</b>            | 1/15                 | 6x22 , 6x26                            |
| <b>Clover Sweet</b>          | 5/64                 | 6x22                                   |
| <b>Clover white Dutch</b>    | 1/20                 | 6x32                                   |
| <b>Corn to Clean</b>         | 30x64 or 28x64       | 9/64x3/4, 7/64x3/4,                    |
| <b>Crested Wheat Grass</b>   | 4x16                 | 6x26                                   |
| <b>Fescue – KY31</b>         | 1/16 x1/4, 3/64x5/16 | 6x26, 6x32                             |
| <b>Flax large</b>            | 8/64, 1/16x1/4       | 1/12, 1/14, 5/64                       |
| <b>Flax small</b>            | 6/64, 3/64x5/16      | 1/13, 1/14, 1/15, 1/16x1/4             |
| <b>Milo Maize</b>            | 13/64                | 1/13x1/2                               |
| <b>Millet proso</b>          | 7/64                 | 4x18                                   |
| <b>Millet Jap</b>            | 8/64                 | 4x18                                   |
| <b>Oats</b>                  | 9/64x3/4, 20/64      | 1/13x1/2                               |
| <b>Oats corn from</b>        | 9/64x3/4             | 1/13x1/2                               |
| <b>Okra</b>                  | 14/64                | 9/64x3/4, 8/64x3/4                     |
| <b>Onion Seed</b>            | 8/64                 | 1/14                                   |
| <b>Peas Blackeye</b>         | 24/64                | 11/64x3/4, 8/64x3/4                    |
| <b>Peas cow</b>              | 20/64                | 11/64x3/4, 9/64x3/4                    |
| <b>Pop corn s American</b>   | 20/64                | 11/64x3/4, 9/64x3/4                    |
| <b>Pop corn jap hullless</b> | 20/64                | 7/64x3/4, 6/64x1/2                     |
| <b>Radish</b>                | 8/64                 | 1/12                                   |
| <b>Rape</b>                  | 7/64                 | 6x22                                   |
| <b>Rye</b>                   | 12/64                | 4x16                                   |
| <b>Rye vetch from</b>        | 7/64x3/4             | 1/13x1/2                               |
| <b>Sunflower</b>             | 26/64                | 9/64x3/4, 8/64x3/4                     |
| <b>Timothy</b>               | 1/18, 1/20           | 6x32, 6x34                             |
| <b>Vetch</b>                 | 12/64                | 8/64x3/4, 7/64x3/4q                    |
| <b>Wheat</b>                 | 13/64, 12/64         | 1/13x1/2                               |
| <b>Wheat cockle from</b>     | 13/64, 12/64         | 9/64, 8/64                             |
| <b>Durum</b>                 | 14/64, 16/64         | 8RD,9RD,10RD, 5/64x3/4, 50,06,70 Tri   |