



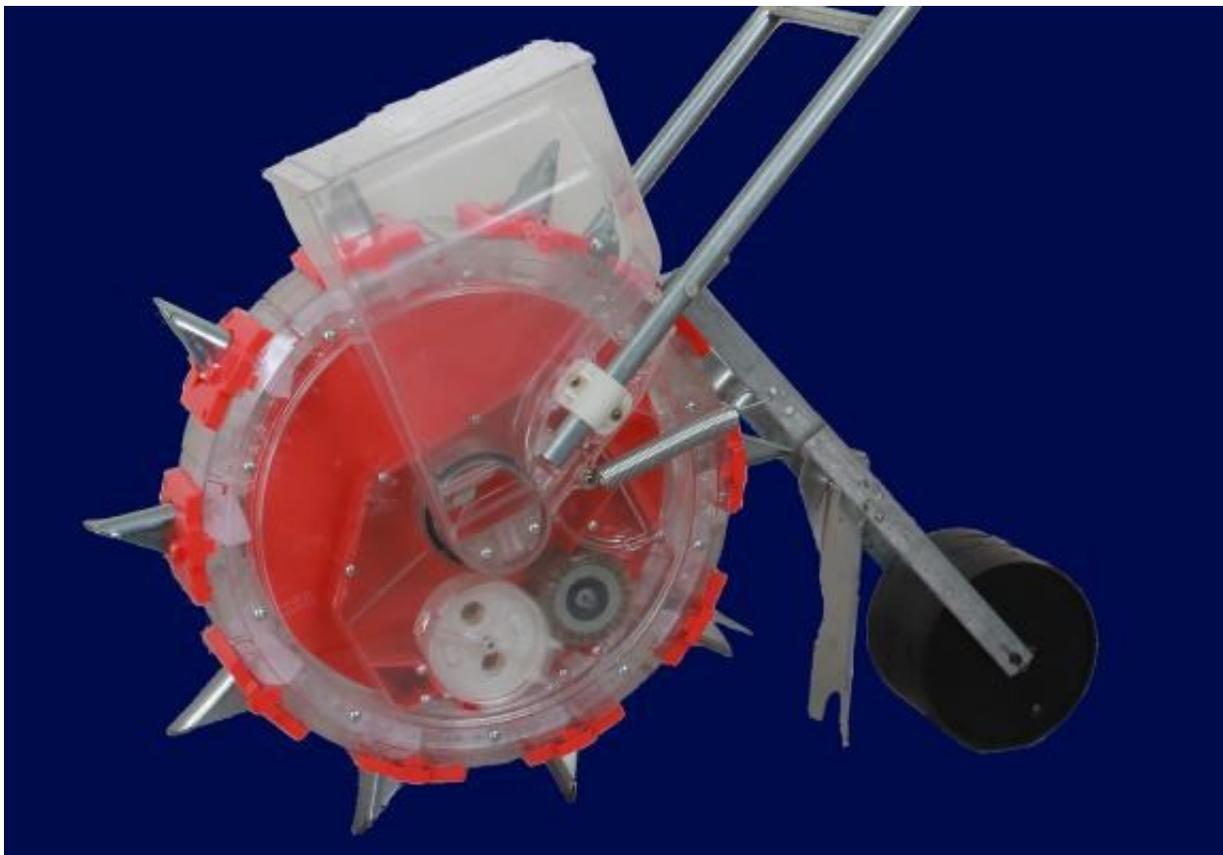
# **Polyplanter Junior 2.0 User's Manual**

**distributed by**

**Ferris Farm, Inc.**

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## Introduction

The Polyplanter Junior is a mini seeder that can be used by one person. The Junior will enable you to sow numerous seeds through plastic and on bare ground. You can plant seeds as small as cabbage and as large as lima beans.

The Junior comes with 10 seed discs. You can plant one seed per drop or 2 seeds per drop. You are also able to adjust the in-row spacing from 6" to 30" by adjusting the beaks. This takes about 10 minutes to do.

The Junior is made from hard durable plastic and is a time saver. It is easy to push at a nice comfortable walking speed and requires no bending over. It weighs less than 25 lb., so it is easy to carry and push down the row.

## Contents

Bag of parts:

4 Clevis Pins with Cotters

10 Springs

20 Screws

Upper Handle

Lower Handle

Roller Assembly

10 Seed Plates

Planting head with hopper complete

Bag of Parts



Planting Head with Hopper



Roller Assembly with Soil Cover Attachment



Upper and Lower Handles



Seed Plates



## Tools Needed for Assembly

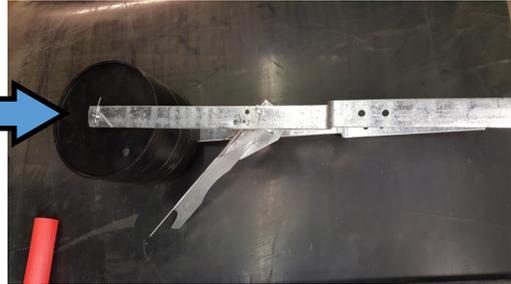
Small Phillips Screwdriver

Small Flat Head Screwdriver

## Initial Assembly

Step 1: Remove all items from the packaging

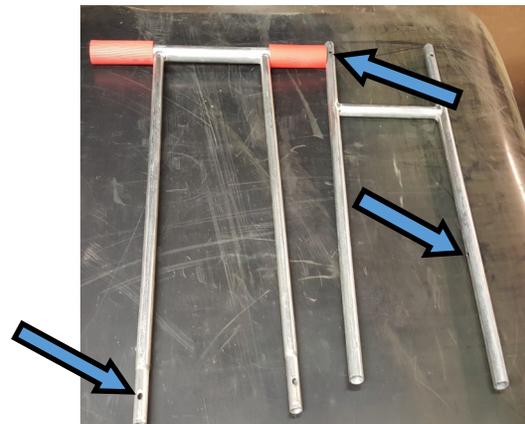
Step 2: If you are planting with plastic, remove the soil cover attachment from the roller assembly. This can be accomplished by removing the cotter pins and removing the long pins holding the attachment. Replace the pins and cotters for added stability.



Step 2

Step 3: Handle Assembly – Insert the Upper handle into the Lower Handle and secure with two (2) clevis and cotter pins.

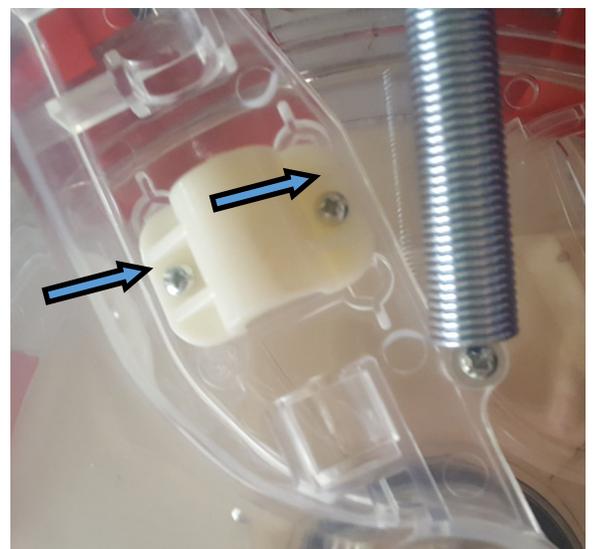
Step 4: Attach the roller assembly to the handle by lining up the holes and inserting two (2) clevis and cotter pins.



Step 3 and Step 4

Step 5: After loosening the screws of the handle holders, slide the handle/roller assembly into the planting head with the roller assembly facing down and away from the hopper. Secure the handle by tightening down the screws on each side of the planting head.

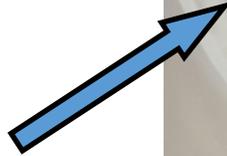
Assembly complete!



Step 5

## Changing Spacing

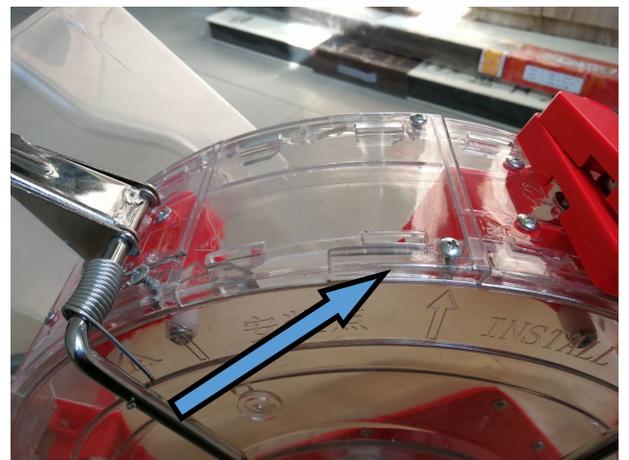
Step 1: Remove handle by unscrewing two(2) bolts on each side of the planting head. Remove both springs and the handle will remove easily.



Step 2: Remove the (2) screws that hold the hopper on and put aside.



Step 3: Flip over planting head, so you are on the side that says "install" with 2 arrows. This side will also have an A on it.

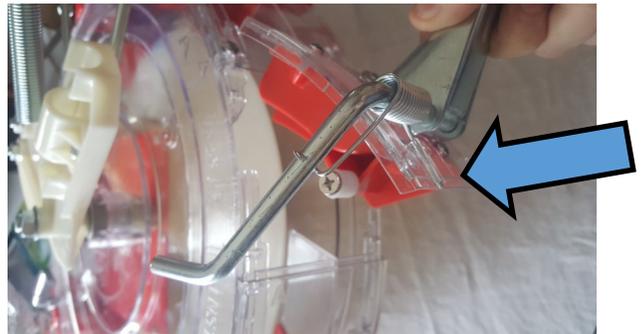


Step 4: Using a flat head screwdriver, remove the red cover to the beak housing by inserting screwdriver under lip and flipping off. The whole red cover should pop off now. .

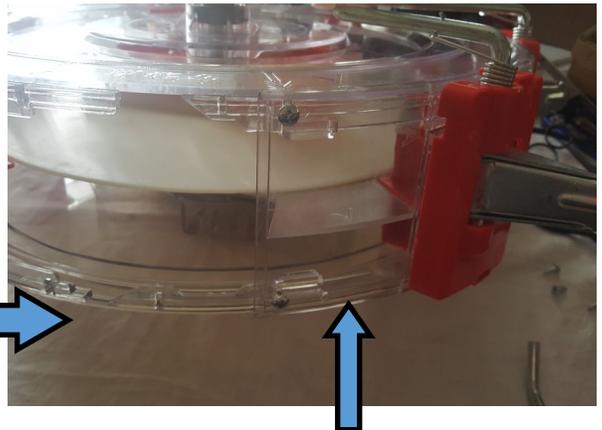
**Note:** In lieu of changing the number of beaks on your Polyplanter Jr., if you are looking for a seed to drop every other beak point, you can use a 7 cell seed disk. Should the seeds be too odd for the plate (or flat), fill it with Bondo and carve out a cavity to fit the seed. (See troubleshooting)



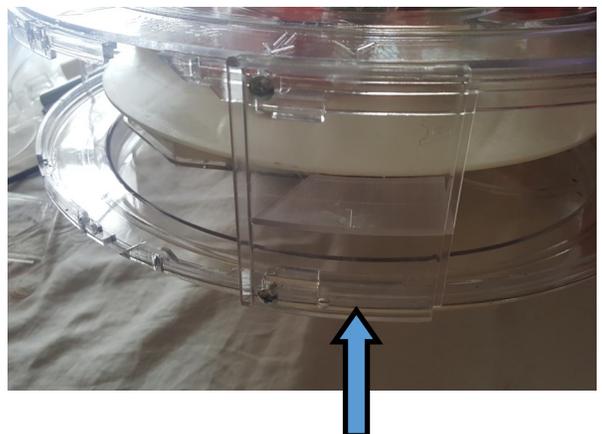
Step 5: remove the 2 screws that hold on the beak housing first. This will allow the beak housing to pop off. Set aside.



Step 6: There are either 6 or 4 screws to remove depending on the model. Remove the next set of screws (if they are there) to the left of beak housing. If not there, skip to Step 7.



Step 7: Remove the next 2 screws located by the "A" arrow. This is where you will be putting in a new head spacer. If you are going from a larger head to smaller head you will need to remove another beak housing to put the spacer in. Screw the new spacer in with 2 screws (make sure the holes line up before you screw them into the plastic). This will be your build point.



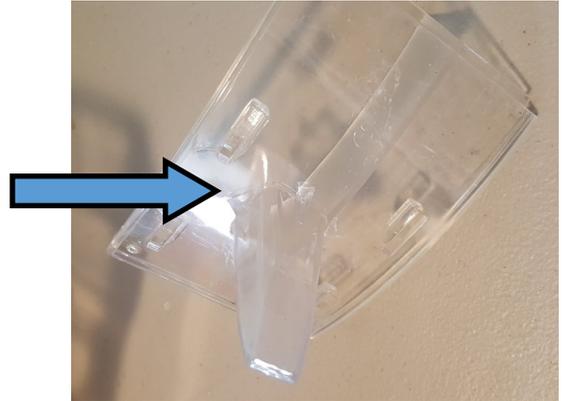
Step 8: AT this point the only screws that are in the head are the ones with the new number spacer you want to use. Remove all beak housings and spacers from the head, going counter clockwise and removing at the point in between the arrows where the groves are.

Step 9: Now we will assemble in reverse order. Put a beak housing on the head . The easiest way to get the beak housing to go on smoothly is by placing the lip underneath the spacer to the right and sliding it left along the track. Follow this by placing a spacer on the track (it should fit in the grooves easily, and slide it to left.)

Repeat this process until all spacers and beak housing are on. Make sure there are no spaces between the beak housing and spacers. When you install the last beak housing use 2 screws to hold it in place. This will match up with the arrow closest to the word "install".

Replace hopper and handle, then you are ready to plant.

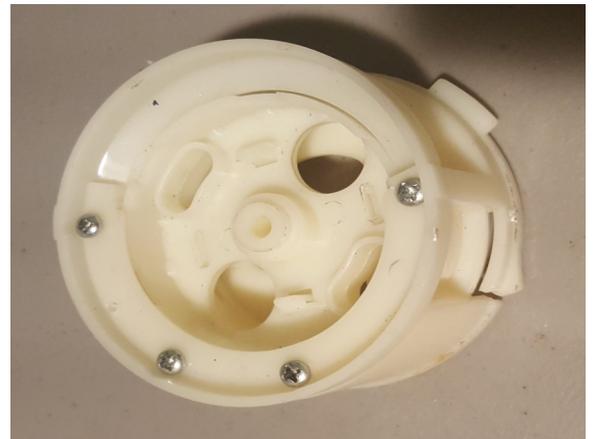
**Notes:** For a 12 head, no spacer is required. If you got a 5 head spacer it will have a point on it (this is to make it have traction on bareground) . If you don't mind the extra hole in plastic leave it on if not you will need to remove it by cutting off.



#### **Additional Optional Parts:**

##### **Small Seed Singulator**

**This is used for planting very small seeds, such as seeds as small as cabbage and broccoli. It includes 3 seed plates.**

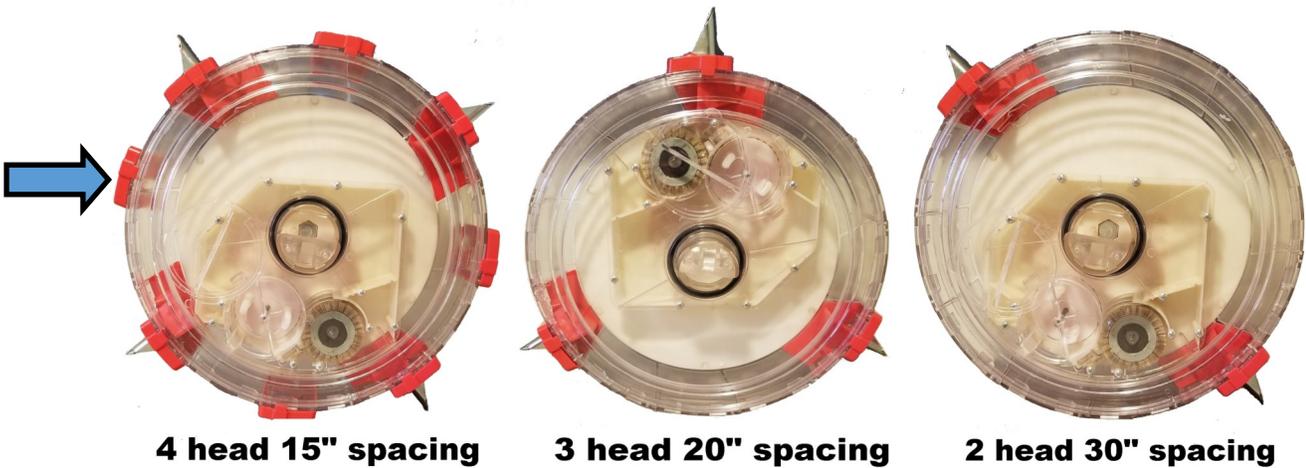


##### **Depth Control for using Small Seed Singulator Seed Plates:**

Install Depth Control Spacers by removing red single spacer and replace with the double.



Add on for 2, 3 or 4 head spacing:



When changing spacing to a **4 head**, you will need **8 of the "6" plates**.

Put 2 spacers, then a beak housing, then 2 more spacers, another beak housing, then 2 more spacers, another beak housing, 2 more spacers and then the last beak housing.

When changing spacing to a **3 head**, you will need **9 of the "6" plates**.

Put 3 spacers, then a beak housing, then 3 more spacers, another beak housing, then 3 more spacer, and then the last beak housing.

When changing spacing to a **2 head**, you will need **10 of the "6" plates**.

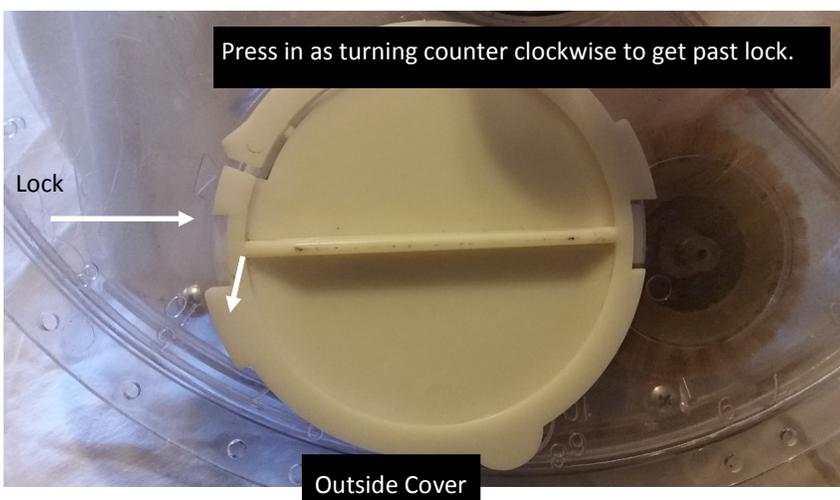
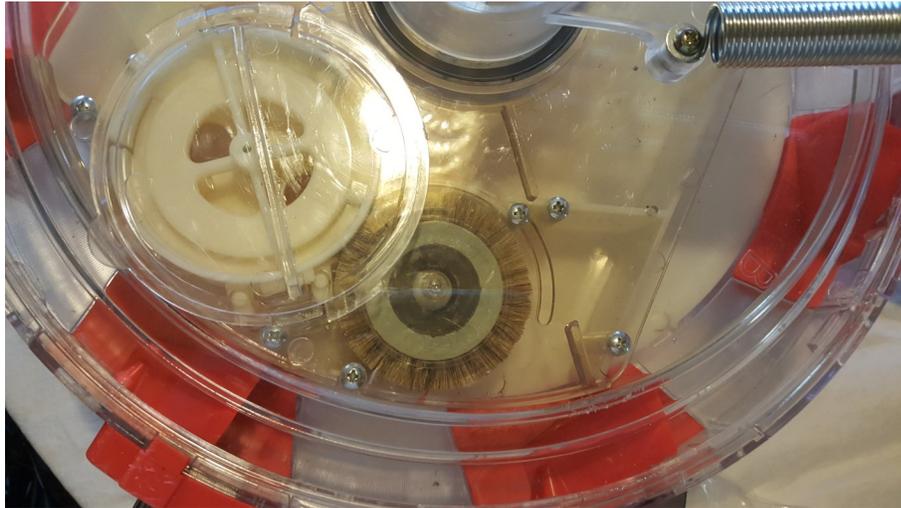
Put 5 spacers, then a beak housing, then 5 more spacers, and then the last beak housing.

As you can see in the 4 head picture above (blue arrow) we do recommend putting additional red plates on in the missing beak place, this enables the head to roll smoothly. We recommend doing this on a 5, 4, 3 and 2 head.

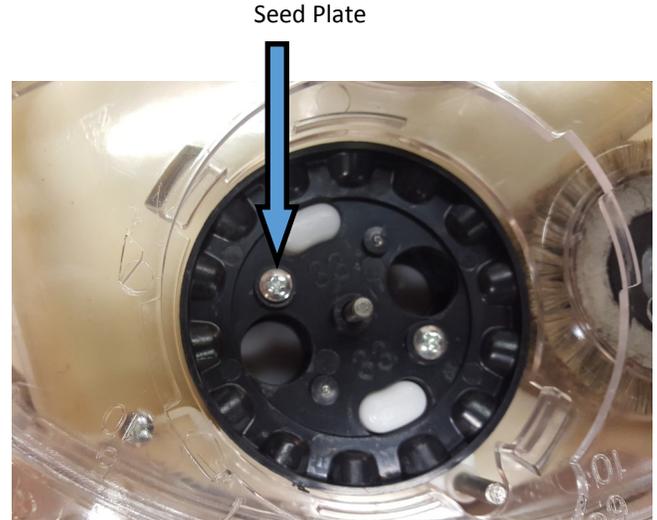
## Changing Seed Plates

Step 1: Spin the hopper until the circles align.

Step 2: Turn the cover handle counter clockwise past the arrow on the clear plastic cover. Remove both the outer and inner circle covers until you are able to access the seed plates.



Step 3: Carefully remove the seed plate being sure not to lose the small plastic seed ejector if applicable. If needed remove the "0" seed plate, in order to insert a large seed plate.



Step 4: Install the new seed plate ensuring the small plastic seed ejector is in the groove if necessary.

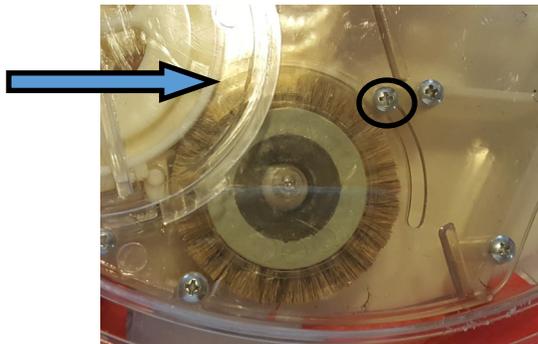


This is an example of a 7 cavity plate which will drop every other beak point.

Step 5: Replace both round covers.

For Small Seeds:

If you are using the small seed singulator, make sure the correct seed plate is inside the small seed singulator. You will not need the inner seed cover with this, because it has a lock on it. To change the seed plates in the small seed singulator, remove the 4 screws and replace plate. Replace screws. When using these plates, adjust the brush cover slider using the screw. Place in closed position as shown. This will keep the seeds from falling down in between the seed plate and the brush.



**WARNING: Brush cover slider needs to be all the way open for larger seeds.**

## **To Begin Planting**

After choosing seed plate and spacing, we are ready to begin planting.

Step 1: Place seed in hopper. We do recommend using Seed Graphic to help the seeds singulate better and not stick to the plastic.

Step 2: Once seed has been placed in the hopper, it is important to carry the Polyplanter Jr. until ready to plant.

Step 3: In order to prime Polyplanter Jr., hold the Jr. and spin the head until seed is being released from the points.

Step 4: Place Jr in desired starting position, push along row using the handles.

## **Seed Plates**

7 hole seed plates plant 1 seed per every other beak point

14 hole seed plates plant 1 seed per every beak point

28 hole seed plates plant 2 seeds per every beak point

## Troubleshooting

### **Can't find a seed plate for odd shaped seeds (i.e. flat sized, like squash or pumpkins):**

If you find that you don't have a seed plate to fit odd shaped seeds, we have found a work around. We suggest using the peanut plate (largest one) and filling the cavities and groove with Bondo, carve out a cavity enough to fit one of the desired seed. When you insert the seed plate back into the Polyplanter Jr, do not use the small plastic seed ejector.

This is an example of a 7 cavity plate which will drop every other beak.

**Once filled with Bondo, carve out a cavity large enough to fit the size of the seed.**



**<http://www.ferrisfarm.net/polyplanterJr.html>**

As always, we are looking for your feedback and suggestions on making the planter better and easier to use. If you have any feedback, questions, or concerns, please contact us at **(724) 946-2973** or **jeanice@ferrisfarm.net**.

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