

# 8100 Fast Fertilizer Bar With Hydraulic Wing Kick

## Hydraulic Operating Instructions

### Tractor Remote SCV:

SCV1: Connected to Center Section Main Lift Cylinders and Main Wing Kick Cylinders

SCV2: Connected to Main Wing Fold Cylinders and Down Pressure Manifold

SCV3: Connected to Outer Flip Wing Cylinders

### Unfolding the Toolbar from Transport Position to Field Position

Engage the tractor remote #1 to ensure that the main lift and main wing kick cylinders are in the fully raised position. With the toolbar in the fully raised position remove the transport brace from the main lift cylinders. Engage the tractor remote #2 to unfold the main wings from the saddled transport position. When the main wings are fully unfolded they will remain "kicked" up until the center section is lowered during field operation. Once the main wings are fully unfolded into the kicked position; set the tractor remote #2 function to the constant main wing unfold position to continuously supply oil to the main wing unfold cylinder and activate the down pressure system. The tractor remote # 2 must remain in this position during field operation and the hydraulic down pressure gauge should read somewhere between 700 to 1500 psi. The down pressure may be adjusted by turning the socket head screw on the valve located under the cart at the base of the neck. Turning the screw in will increase main wing down pressure while turning the screw out will decrease pressure. Next using the tractor remote #3, engage the hydraulic function to unfold the outer flip wings from the saddled transport position into the field position. Once the outer flip wings have unfolded into the field position they must be manually secured, front and back, with the (2) pins provided at each outer flip wing hinge point. The toolbar is now in the proper position to begin field application.

### Field Operation of the Toolbar:

With the main wings and the flip wings completely unfolded in the field position and flip wings pinned be sure once again that the tractor remote # 2 is in continuous mode and latched on to supply constant oil flow to the active down pressure system. Use tractor remote #1 to lower and raise the main lift and wing kick cylinders to and from the ground during application. Because the active down pressure is on tractor remote #2 the tractor remote #1 may be returned to the neutral position after the toolbar is lowered into the ground.

### Folding the Toolbar from the Field Position to the Transport Position:

When the fertilizer application is completed or the toolbar needs to be transported, the pins securing the outer flip wings must first be manually removed from the hinge area. Once the pins are removed, engage the tractor remote #1 to fully raise the center section and main wing kick. With all the coulters now off the ground, engage the tractor remote #3 to fold up the outer flip wings into the transport position. Once the outer flip wings are completely folded up engage remote #2 to fold the main wings into the transport

position. With the toolbar fully raised place the transport brace or cylinder stops on the main lift cylinder rams to prevent the center section from settling.

## **Storage:**

If the toolbar is to be stored for an extended period of time, the transport brace or cylinder stops must be placed on the main lift cylinders to prevent the center section coulters from contacting the ground when the center section is fully lowered. To lower the center section onto the stops move the tractor remote #1 into the float position and allow the center section to settle onto the main lift cylinder stops. Momentarily also float the tractor remotes # 2 and # 3 to release any residual pressure that may be present in the system.