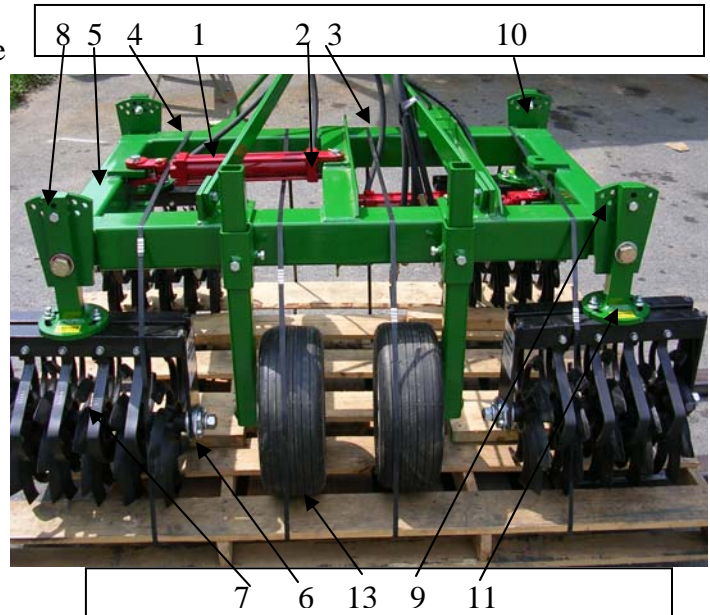


Operating instructions for Hillside Blueberry Cultivator With Hydraulic Width Adjustment

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Parts and description

1. Hydraulic Cylinders 2"X 10" stroke
2. Hydraulic Flow restrictor
3. Hydraulic Hose
4. Main Cultivator Frame 4" tube
5. Sliding Sub Frame
6. Spider Gangs
7. Spiders and Scrapers
8. Pivot Arm
9. Pivot Angle Position Plate
10. Pivot Angle Adjusting Pin
11. Cultivator Mounting Plate
12. Cultivator Angle Adjusting Plate
13. Angle adjusting bolt.
14. Gauge wheels



Cultivator Setup

If the cultivator has been shipped by truck, it will arrive with the spider gangs and disk gangs disconnected from their mounting plates and placed inside of the frame on a pallet or on a separate pallet. Remove the gangs being careful to keep your fingers out of tight spots on the gang. The best way to handle the gangs is either by the ends of the axle or to pick them up by the spider itself. Then the frame itself should be lifted from the pallet by attaching it to the three point hitch of the tractor. When the cultivator frame is off the ground, loosen the angle adjusting bolt on the bottom of the cultivator mounting plate. The bolt should be made loose enough to allow the small plate beneath these bolts to provide enough clearance to slide the cultivator gang in place. (See Figure 2) You will notice that the gangs have an either a No 1 or a No. 2. The spider gangs are constructed of right or left facing slicer tines. The cutting edge of the tine is the side which engages with the soil first and moves the soil laterally. As you can see in figure 1 the scrapers go toward the rear of the cultivator. Before tightening the bolts which hold the gang to the angle adjusting plate, the cultivator gang may be moved either in or out to give a preliminary adjustment to the location of the gang. The angle of aggressiveness can also be adjusted at this point.

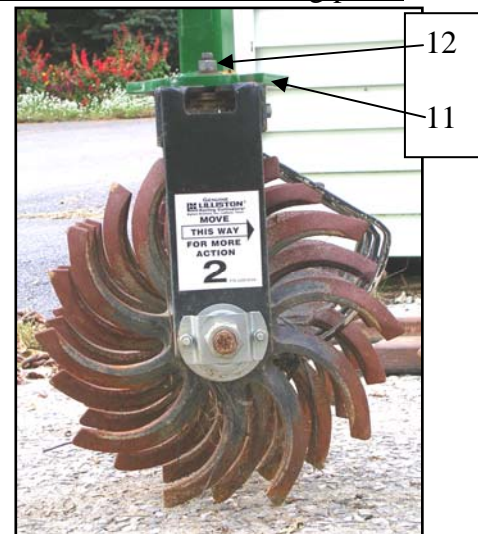
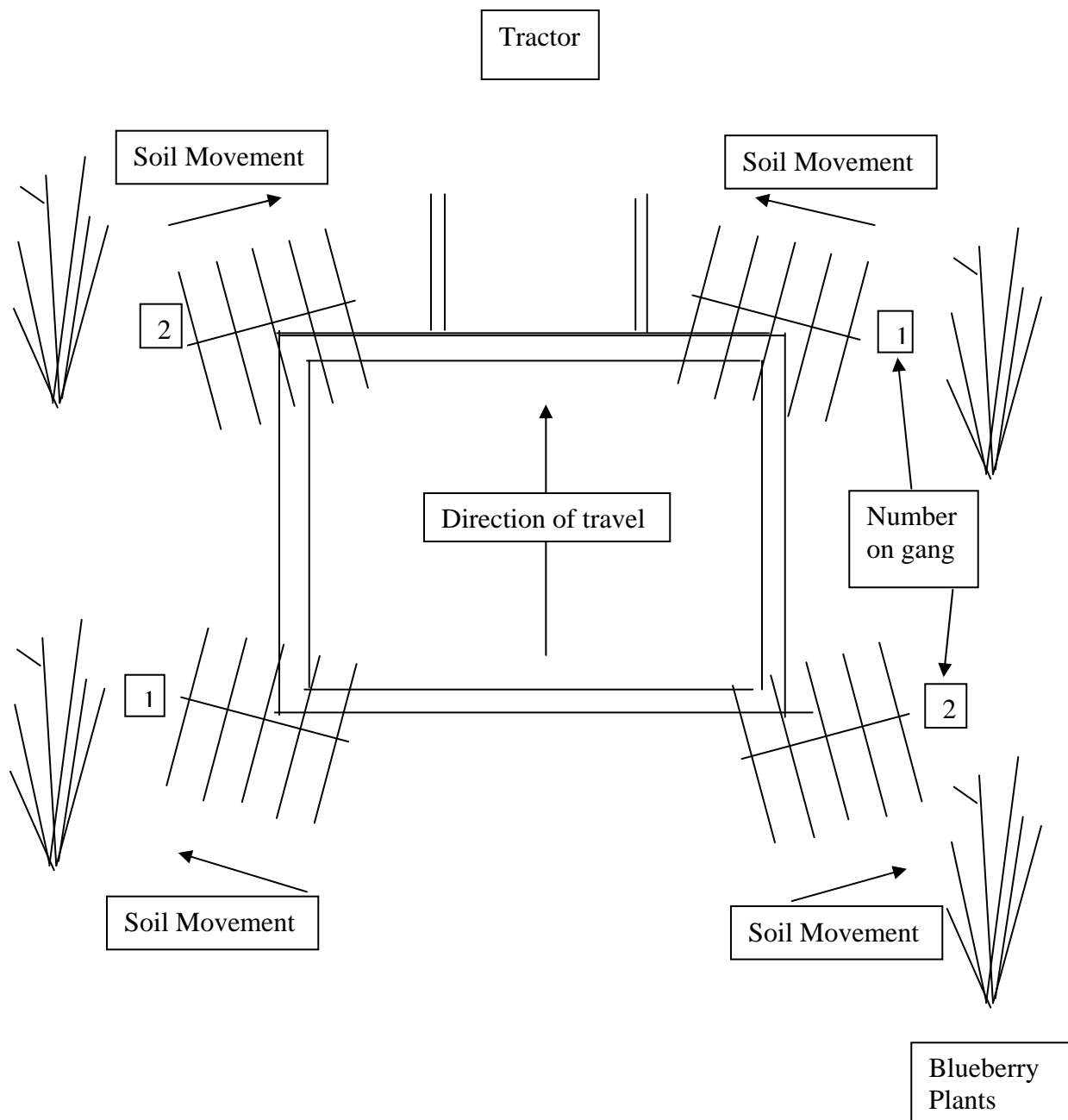


Figure 2



The drawing above illustrates the placement of the rolling cultivator gangs on the cultivator frame. The rolling cultivators will have a number 1 or 2 on the side of the gang. You will notice that the spiders on these two types of gangs have individual spiders cast in opposite shapes. The sharp side of the spider is the side intended to cut and move the soil. When the gangs are located on the frame as shown above, the set directly behind the tractor will pull soil and weeds away from the row and the set of cultivators to the rear of the frame will push the soil back toward the plants. If the operator would prefer to move soil only toward the row of plants, the front two gangs should be interchanged. This will place both the number 1 gangs on the left side of the cultivator when facing it from the rear.