“C” Seeder MKII

Operator’s Manual & Parts List

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Dakenag

DAKEN PTY LTD ABN 53 004 476 484
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WARNING: Read the Operators Maintenance & parts Manual before using the C Seeder.

“C Seeder MKII

Your “C” Seeder is unique. It has many advantages. It can quickly be changed from one agricultural machine to another. It will work efficiently on a full range of machinery from plows to tractors to cars and with no servicing under all conditions whether it be wet, dry, rough or smooth.

Fitting and operating Instructions

1. Attach Seeder by bolting through carrier-bar bolt holes to right angle brackets (not supplied) on tractor or implement, so that spring wire touch the ground and box is upright. It is important that wires are not too long. The wires supplied should be regarded as the maximum height to mount box. If necessary the box may be mounted lower and the wires cut to correct length. Mounting of the box is simplified by first bolting two 4”x2” wooden beams to the non-sowing position. The beam can then be drilled at any position to suit the right angle brackets on the tractor or implement.

   The same method applies when mounting two boxes, end to end, on a longer wooden beam that can both carry.

2. Sowing Cup Assembly
   Place on each Wing stud in the following order
   (1) Washer
   (2) Spring
   (3) Washer
   (4) Sowing cap
   Screw studs in holes along the bottom of the box. Compress each spring sufficiently to hold firmly in place.

3. Preparing for Sowing
   Set 14 sowing cups on selected number directly below press out. Open lid and insert each spring wire dropper through appropriate sowing hole. Now gently turn caps against wires; this prevents loss of seed when filling. Put seed in box using only graded clean seed.

   Fasten lid and put on non-sowing catch. Remember to now return sowing cups so that number corresponds exactly with press out box. Take box off catch and start sowing. When tractor is stopped, the box should be returned to the non-working position, and likewise for travelling. The box may be raised to the non-sowing position and lowered again from the tractor's seams if a rope is attached to the N-S catch. This may be done to clear a temporary blockage or to re-mix the seed.
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Sowing Guidelines

The use of two boxes, tandem, is recommended for exceptionally heavy sowing and double capacity. With the many types of seeds, seed mixtures and sowing rates in use under varying conditions in Australia. It is not possible to compile a 100% accurate chart of “C” Seeder sowing rates. The size and the degree of purity of the seed will also affect the approximate sowing rate quoted herein.

These factors apply to all seed boxes, hence the reason the distributors of the C Seeder prefer that an operator should make his own quick and simple test. When sowing seed not quoted a, comparison of size and character to quoted seed will be a guide to a correct setting. The MKII is now available in four standard widths – 4ft, 5ft, 6ft and 7ft thus giving a comprehensive width range from 4ft increasing 1ft as a time to 21ft.

Rough conditions: It is advisable to secure the box when in use under very rough conditions. Holes are drilled in the box supports to which retaining springs are clipped.

Approximate rates (cups numbers) for the more commonly used seed:

- **Lucerne:**
  - No.3 Sows 3lbs / acre
  - No.4 sows 7lbs / acre
- **Sub-clover:**
  - No.4 sows 3lbs / acre
  - No.5 sows 4-5lbs / acre
- **Phalaris:**
  - No.3 sows 2½ lbs. Acre
  - No.4 sows 4-5lbs / acre
- **Rye:**
  - No.3 sows 3-4 lbs / acre
  - No.6 sows 15lbs / acre Ball
- **Clover:**
  - No.1 sows 3lbs / acre
- **White clover**
  - No.2 sows 3lbs / acre
- **Grain sorghum**
  - No.6 sows 10lbs / acre with every second run closed
- **Sweet Sudan**
  - No5 sows 7lbs /acre
- **Sorghum Almum**
  - No.5 sows 8-9lbs

These rates are intended to give the operators a guide to the setting on which to start off. It is recommended that the sowing be checked by either the methods set out below, when a job is started. These sowing rates are for tractor speeds of 2.5-3 mph and unless the speed is altered considerably, it is unnecessary to alter the sowing rates as a faster speed as this gives the Seeder more wires movement ad hence more seed.

Rate check:: The 7ft travels approximately 2000 yards to cover one acre at a constant speed of 2.5 mph. it takes 24 minutes to cover an acre. For example, if you wish to sow 7lbs of seed mixture to the acre, set the cups according to the chart weight 7 or 14lbs into the box. The 7 lbs should be gone in 2000 yards, the 14lbs in 4000 yards. Under or over sowing is remedied by increasing or decreasing sowing suo numbers. It is preferable to make a trail on the higher sowing rate and then reduce if necessary. A stop is market O so that any number of sowing cups can be cut off from sowing or to reduce the width of the box.

A further variation in sowing rates can be achieved by setting on alternative numbers e.g. 3,4,3,4 etc or by stopping every second run.

To avoid loss of seed when changing the sowing rate (holes numbers) when the box contains seed put Seeder in non-sowing position. Unscrew wind studs carrying sowing cup assembly from the box, and keep as one piece slide it off the spring wire. Re-insert the spring wire through the required hole (going up or down in hole size, for increase or decrease of seed), slide up wire and screw back into place. It is unnecessary to separate washers, spring and sowing cup from the wing stud during this adjustment. When back in place check that the hole number required is not directly below the press out on the box.

**Note:** The cup hole in use is at right angles to its number showing directly below press-out.
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Assembly instructions

1. check all packed components
   each C Seeder pack should contain:

<table>
<thead>
<tr>
<th>Item description</th>
<th>Quantities Per Box Size</th>
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<tr>
<td>C Seeder box with mounting bracket</td>
<td>4’0”  5’0”  6’0”  7’0”</td>
</tr>
<tr>
<td>Dropper wire, 520mm long</td>
<td>1  1  1  1</td>
</tr>
<tr>
<td>Eye for dropper wire</td>
<td>8  10  12  14</td>
</tr>
<tr>
<td>Hanger Wire, 1070-1080mm long</td>
<td>1</td>
</tr>
<tr>
<td>Hanger Wire, 1375-1385mm long</td>
<td></td>
</tr>
<tr>
<td>Hanger Wire, 1680-1990mm long</td>
<td></td>
</tr>
<tr>
<td>Hanger Wire, 1980-1990mm long</td>
<td></td>
</tr>
<tr>
<td>Hook for hanger wire</td>
<td>2  2  2  2</td>
</tr>
<tr>
<td>Split pin for hanger wire</td>
<td>2  2  2  2</td>
</tr>
<tr>
<td>Sowing cup</td>
<td>8  10  12  14</td>
</tr>
<tr>
<td>Cup spring</td>
<td>8  10  12  14</td>
</tr>
<tr>
<td>Flat washer</td>
<td>16 20 24 28</td>
</tr>
<tr>
<td>Thumbscrew</td>
<td>8  10  12  14</td>
</tr>
<tr>
<td>Assembly instructions</td>
<td>1  1  1  1</td>
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<tr>
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</table>

2. Set box assembly on implement, bench or similar for ease of assembly.

3. Fit split pins each end of box of hanger wire. (Eye split pin to be inside box)

4. Fit hooks to each end of the hanger wire. Check the fit of the hanger wire in the box.
   Hook fits through eyes of split pins. Wire should be taut. Adjust length if needed.

5. Fit eyes to one end of the dropper wires.

6. Slide hanger wire through the eye of the dropper wires

7. Fit hanger wire with dropper wires into the box

8. Assemble onto thumb screw in the following order: flat washer, spring, flat washer, sowing cup. Screw thumbscrew assembly into the tapped housing in the bottom of the box compressing the spring sufficiently to hold the cup firmly in position.

9. Fit the box to the desired implement.

10. Refer to “fitting & operating instructions” for operating instructions.
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Layout Diagram

Hole position for split pins

1/8" Dia for split pin

Hanger wire

Hook each end

Eye one end

Dropper Wire

Box Shell

Tapped housing, Box bottom

Sowing cup

Cup spring

Flat Washers

Thumb screw
Daken Pty Limited (Dakenag) warrants the new products supplied by Dakenag to be free from defects in material and workmanship, under normal use and service, for a period of twelve (12) months from the date of delivery to the purchaser. For attachments used in commercial enterprises, warranty is six (6) months.

Dakenag, or its appointed dealer, will repair, replace or allow credit, at its sole option, any part(s) of the product, which under normal and proper use and maintenance proves to be defective in material or workmanship provided that:

1) The purchaser performs preventative maintenance as per Operation, Maintenance & Parts Manual.
2) Notice of any such defect and satisfactory proof is promptly given to Dakenag or its authorised dealer, and such part is returned for repair, with transportation charges prepaid.
3) Dakenag examination proves such part(s) to have been defective.

This warranty coverage does NOT APPLY, and Dakenag shall have no obligation under this warranty in the following cases:

1) Damage or failures caused by accident, misuse, abuse, negligence, operation of a product in excess of recommended or design capacity, or natural calamity.
2) Damage or failures caused by use of other than Dakenag genuine or approved parts.
3) Damage or failures caused by the addition or removal from the attachment not approved or authorised by Dakenag.
4) Alterations, changes, or modifications made to the attachment or any of its components / parts not authorised by Dakenag (in writing), which, in the sole judgment of Dakenag, affects the performance, stability or purpose for which it was manufactured.
5) Damage or failures caused by lack of normal and/or preventative maintenance services as outlined in the Operation, Maintenance and Parts Manual.
6) Damage or failures caused by neglect or unreasonable delay by the purchaser in reporting to Dakenag or its appointed dealer, any defect or operating concern likely to be of a warrantable nature.
7) Normal wear and tear. This includes blades.
8) Blades & bolts are not included.
9) Loss of use of machine, loss of time, loss of revenue, damage to personal property, direct or indirect, incidental or consequential damages such as expenses for fuel, telephone, travel, lodging, transportation, or other costs resulting from warrantable failure.

Under the Trade Practices Act, 1974, as amended, certain conditions, warranties, rights and remedies may be implied if the buyer is a consumer within the meaning of that Act and under legislation relating to the sale of goods certain conditions and warranties may be implied if the sale of the product is a consumer sale within the meaning of such legislation; nothing contained herein excludes, restricts or modifies in relation hereto and the goods and/or services to be supplied hereunder any condition, warranty, right or remedy which applies hereto or to the supply of goods and/or services hereunder or is conferred upon the Buyer by or pursuant to the Trade Practices Act, 1974, as amended or the aforesaid legislation.

PROVIDED THAT to the extent of the Trade Practices Act, 1974, as amended permits Dakenag to limit its liability for a breach of a condition or warranty implied by that Act then Dakenag’s liability for that breach shall be limited to:

1) in the case of goods supplied hereto, the payment of the cost of replacing the goods or of acquiring equivalent goods: and
2) In the case of service supplied pursuant hereto, the supplying of the service again.

INSPECTION AND PREPARATION
Your new Dakenag Attachment has been inspected and prepared in accordance with the Dakenag pre-delivery inspection schedule. The efficiency and economical operation of your new product now depends largely on the care it receives. Systematic attention to daily lubrication, inspections and adjustments by you or the Seller usually will result in greater satisfaction for you.

IMPROVEMENTS
Dakenag is constantly striving to improve its products. Changes in design and improvement will be made whenever Dakenag believes the efficiency of its products will be improved thereby, but without incurring any obligation to incorporate such improvements in products which have been shipped or are in service.

If any provision in this Warranty is held invalid, unenforceable or illegal for any reason, this Warranty shall otherwise remain in full force apart from such provision which shall be deemed deleted from this Warranty.