

10 AREAS

FOR GENTLE CROP HANDLING

GRIMME

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1



Topper

Check the configuration of the topper blades matches the shape and depth of the ridges you are about to harvest. If the blades do not match the ridges they could cut into the ridge damaging the crop.

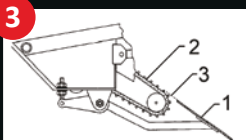
2



Wheel Settings

Check tyre width and the wheel width-setting to ensure these do not squeeze the sides of the ridges and cause damage to the potatoes.

3



Machine Intake

Share width and discs – Set the share width to match the width of the bed to avoid crop damage. Check the depth of the discs and ensure the gap between the disc and the outer share blade is not too wide. The optimum setting for this is 20mm.

Share pitch – Set the pitch of the share so the top of the web is in line with the top of the share blade up to max 10mm below the top of the web.

Centre share – In very dry conditions a centre share lifts more soil with the crop cushioning it to give it more protection.

4



Diablo Roller

Adjust Diablo roller pressure as it runs along the surface of the ridge. Too much pressure can shallow the share, too much can push soil ahead and lift the diablo, causing cut potatoes. Move the diablo forward to give more clearance and better flow into the harvester.

5



Haulm Feed Wheels

Haulm feed in rollers prevent wrapping of haulm around the nose roller of the web. The gap between the roller and the side panel should be set wider at the rear towards the top to avoid blockages and damage.

6



Webs

GRIMME webs have protectors moulded on the belting to protect the crop from damage by the web bars. Check webs for wear, condition and damage (NB some other manufacturers' webs do not have protectors).

Main web agitators can cause damage when used incorrectly and are not recommended for use in dry conditions.

7



Haulm Extraction Rollers

The haulm roller is adjustable for height and gap and must be set to suit the crop conditions: higher position = more aggressive; larger gap = more aggressive.

Haulm feed fingers are fitted to both systems and need to be set to the volume of haulm being lifted. The fingers must be lifted up for large quantities of haulm to prevent blockages and lowered for small quantities of haulm. Ensure crop is not fed in to the haulm rollers.

Check the condition of the spirals to make sure there are no sharp edges and also check the haulm rollers for wear.

8



Separators

Separator speed should be set to crop flow through the machine. In extremely dry conditions on the MultiSep keep the clod rollers all the way down with the maximum distance from the segment rollers. Increase the separator speed and put into transfer with a shallow angle to avoid crop damage - watering kits can be fitted to improve crop flow and prevent damage.

9



Picking Table / Transfer Web

The crop should move on to the transfer webs at the same speed that it leaves the separator. Minimise the drop into the elevator to reduce any bruising.

10



Cart Elevator

The GRIMME elevator is designed to allow the operator to drop the end section right into the bottom of the trailer. Take great care when filling trailers as damage may occur to the elevator. A box filling chute or fall breaker will control the drop of the crop without dropping the elevator too deep into the trailer or box. Control the speed to keep the elevator pockets well filled.

Any questions about the best settings for your harvester in current conditions? Contact our team at GRIMME Ireland, we will be happy to help!