



# SG Pasture Topper Operating Instructions

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GRASS TOPPER. SG120/TOP400 – 4FT / SG150/TOP500 – 5 FT / SG180/TOP600 – 6FT

Please read this manual before use and keep it for future reference

By altering the position of skids on each side the depth of cut can be set at 30mm minimum to a maximum of 120mm. These skids allow the topper to cut uniformly without grounding on undulating pastures. It can be operated in wet conditions on heavy pasture, but is unsuitable for topping set aside.

ESSENTIAL PRECAUTIONS

Your dealer will give instruction on operation and maintenance but read these instructions before using this machine.

INCORRECT use or mishandling can endanger - Life and limb of operator, bystanders, animals or property that is within vicinity of the machine and also effect performance.

NEVER distract the operator using this machine

YOUTHS under the age of 16 are not allowed to operate this implement and the owner must provide instructions to the authorised operator making sure they are understood before use

KEEP PEOPLE/ANIMALS AT A SAFE DISTANCE OF AT LEAST 30M FROM VICINITY OF TOPPER WHEN IN USE

GENERAL SAFETY INSTRUCTIONS

ENSURE Implement is correctly attached to 3 point linkage and secured with locking pins

NEVER attach to a tractor and render it unstable taking note of maximum load allowed on linkage

SG120 – 4FT MACHINE IS 220 KGS

SG150 – 5FT MACHINE IS 290 KGS

SG180 – 6FT MACHINE IS 325 KGS

BEWARE of instability caused by the projection of this machine from rear of tractor

NEVER attempt to move this machine manually

NEVER allow children to play on or around tractors and machinery

ALWAYS attach/detach machine from tractor on stable level ground using only ONE operator

ALWAYS disengage PTO before dismounting from tractor, apply handbrake, stop tractor and remove key, before any maintenance or adjustment

REMEMBER blades rotate for some time after stopping tractor. ENSURE THEY ARE TOTALLY STILL BEFORE APPROACHING TOPPER

DO NOT use this machine as a means of personal transport and keep limbs away from area between hitch and main body

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ALWAYS be aware of the danger zone's front and rear of machine

ENSURE A frame does not fall and injure operator

BE extra careful around PTO, do not wear loose fitting clothes and tie long hair back. NEVER allow anyone near a rotating PTO shaft

ONLY adjust topper skids with machine removed from tractor and in a stable, safe position

WARNING: when in semi offset position this machine projects past side of tractor, take care when transporting

EXTRA care needs to be taken when operating on sloping ground on which tractor may become unstable

ENSURE PTO is correct length for tractor and that sufficient grease is applied to tubes and universal joints regularly

NEVER OPERATE WITHOUT PTO GUARDS IN PLACE AND CHECK THEY ARE IN GOOD REPAIR

ALWAYS use M8 × 50 shear bolts with a rating of 8.8 grade on knuckle joint for SG120/TOP 400.

ALWAYS use M8 × 50 shear bolts with a rating of 10.9 grade on knuckle joint for SG150/TOP 500 & SG180/TOP 600

Any other grade of bolt may cause damage and risk personal safety

#### OPERATING INSTRUCTIONS

This is a tractor mounted implement. Do not attempt to attach to any other type of vehicle

DO NOT use incorrectly sized lift arm or link pins when attaching and ensure sufficient adjustment of top link to enable correct setting of topper

DECIDE on cutting height required and if necessary reset using 4 bolts on each side. ONLY PERFORM this task with topper detached from tractor on stable level surface

FIT topper to 3 point linkage in usual way and make sure PTO is connected before use, fit shear bolt end to rotor gearbox

ATTACH restraining chains on PTO cover to hole in A frame and fixed cover on gear box

ENSURE area to be worked is clear of stones and obstructions that may cause damage to topper or personnel

WITH PTO shaft and all guards in place you are ready to top

BEGIN TO OPERATE AT A LOW RPM AND GRADUALLY INCREASE SPEED TO 540 RPM BEFORE MOVING

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CHANGING from in line to semi offset or vice versa can be done by removing 3 bolts and repositioning A Frame, fully tighten refitted bolts. ONLY PERFORM this task with topper detached from tractor on stable level surface

#### MAINTENANCE

ALWAYS disengage the drive system, stop engine, engage parking brake, remove ignition key before carrying out any maintenance, service, cleaning or repair work

SUPPORT the topper appropriately. ENSURE blades have stopped rotating before beginning work.

MAINTAIN product with care checking regularly for damage, loose bolts, oil and grease to prevent unsafe operation of machine

The manufacturer will not be responsible for any damage or injury caused by unauthorised repairs, alterations or mishandling of implement

ALWAYS use genuine Kilworth spare parts

CHECK oil level in gear box before operating. Change oil after first 50 hours using drain bung at base of casing. Then change oil every 500 hours there after. Correct oil quantity is 1.2 ltr. Use SAE 90 Gear oil

FILL oil by removing top plug and bung on side, oil seeps from side bung at correct level. Replace bung/plug after

DRAIN oil when warm, CAUTION gear box becomes hot during use, allow a little time to cool before emptying

GREASE PTO shaft tubes and universal joints daily

CHECK holding bolts and rotor blade locknut on gearbox after every 5 hours and tighten if necessary. After 20 hours perform this operation periodically

REGULARLY check blades are sharp and undamaged replacing if necessary ALWAYS replace in pairs to keep balanced using genuine Kilworth blades

ALWAYS ensure warning stickers are clean and in good condition. Replace if necessary

DO NOT use high powered washers when cleaning, may cause paint damage