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**EU CERTIFICATE OF CONFORMITY**

CONFORMING TO EC Machinery Directive 98/37 EC

**We:**

Fleming Agri-Products Ltd  
Newbuildings Industrial Estate  
Newbuildings  
Northern Ireland  
BT47 2SX



declare in sole responsibility, that the products

**Type: FOLDING LANDROLLER**

to which this certificate applies, conforms to the basic safety  
and health requirements of the Machinery Directive 98/37 EC,  
and the Transposed Harmonised Standard: BS EN 1553 (2000)

Jonathan Lecky  
**Production Director**

The logo features a stylized green plant icon on the left, followed by the word 'FLEMING' in a bold, blue, sans-serif font. The entire logo is set against a yellow rectangular background.

**FLEMING**

**16FT & 18FT Folding Landroller  
Operators Manual**

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*'Quality, Strength & Personal Service'*

This manual is provided to assist you in getting the best results from your machine and ensure that you do so safely. If you have any queries about the use of the machine contact your dealer before use. Please keep this manual for future reference.

### 1.1 FUNDAMENTAL PRECAUTIONS

On delivery, your dealer gave you an explanation of the operation and maintenance of this Fleming Landroller. Please read and understand these operating instructions before operating the machine for the first time. It is essential that you observe all safety instructions.

Incorrect use or mishandling of the machine can endanger:

- Life and Limb of the operator, other persons or animals standing within the vicinity of the machine.
- The machine and other material assets of the owner or third persons.
- The performance of the machine.

Anyone who is involved in the commissioning, operation or maintenance of the landroller must read and understand the following instructions very carefully and observe them at all times.

**NEVER DISTRACT ANYONE WHO IS USING A MACHINE.**

### 1.2 AUTHORISED OPERATORS

Youths under the age of 16 may not operate this implement. The owner of the machine must provide the operator with the operating instructions and make sure they have read and understood them. Only then may the roller be put into operation.

The owner must ensure that only authorised persons operate/work on this machine. He is responsible for any third persons or animals within the working area of the roller.

**A SAFE DISTANCE OF AT LEAST 5M MUST BE OBSERVED BY ANYONE WITHIN THE VICINITY OF THE ROLLER.**

•When connecting hydraulic rams make sure that the hydraulic hoses are coupled correctly. Pressure should be released from the system both on the tractor and on the implement side prior to coupling the hoses to the tractor hydraulics.

•**CAUTION** Hydraulic oil forced out under pressure can break the skin and cause severe injury. In the event of a hydraulic oil leak stop the tractor flow immediately. **DO NOT PUT HANDS NEAR A LEAKING PIPE.**

•Lubricate the hydraulic cylinders daily when Aerator is not in use as any exposed chrome may start to deteriorate.

### 1.6 GENERAL DIMENSIONS

Dimensions	16'x30"x1/2"	18x30x1/2
Rolling Width (mm)	4880	5440
Overall Width (mm)	5130	5690
Transport Width (mm)	2635	2635
Unladen Weight (Kg)	2500	2640
Laden Weight (Kg)	4424	4760
Hp Requirement (minimum)	100	110

## 1.5 MAINTENANCE

- As a rule, disengage the driving system, apply the handbrake and stop the engine prior to carrying out maintenance, servicing, cleaning or repair work. **ALWAYS** remove the ignition key.
- Prop the roller with appropriate supports before carrying out any maintenance.
- The manufacturer will not be responsible for any damages or injuries caused by unauthorised repair, alterations or mishandling of the product.
- Maintain product with care checking periodically for damage that would affect the safe operation of the implement.
- Grease bearings every hour for the first ten working hours and daily thereafter.
- Regularly check all bolts on the roller and tighten if necessary.
- Check wheel nuts and pressures daily.
- Ensure all fill holes bungs are greased after each filling and emptying of the roller.
- ALWAYS** ensure all warning stickers are kept clean and in good condition replacing where necessary.
- Only use clean grease complying to Din 51502.
- Clean all grease nipples and the nozzle of the grease gun before lubrication.
- Coat the chrome area of the hydraulic cylinder with grease before any prolonged periods of inactivity.

## 1.6 HYDRAULIC SAFETY

- CAUTION** The hydraulic system is under high pressure.
- Ensure that only high-pressure hoses are used to connect supply to the hydraulic cylinder. Check hoses regularly and renew any that are damaged or worn.
- ALWAYS** ensure that the hoses are long enough to facilitate turning
- Before working on the hydraulics lower the machine, ensure the locking mechanism is securely closed, release the pressure from the system and stop the tractor engine.

## 1.3 GENERAL SAFETY AND ACCIDENT PREVENTION REGULATIONS

- Ensure the implement is correctly and securely attached to the operating vehicle. The recommended method of attachment is to use the tractor drawbar and a suitably sized pin.
- NEVER** attach to a tractor which would be rendered unstable when the implement is operated at its full capacity. The weight of the roller when unladen is 2500kg and when laden is 4424kg.
- The operating tractor must be 4 wheel drive and have a minimum of 100 horsepower.
- NEVER** park the tractor and roller on a slope.
- WARNING:** The attaching and detaching of the implement to a tractor must be carried out by only one operator. There should not be any other people in the vicinity of the implement or in the tractor.
- ENSURE** that the roller is on stable and level ground and is securely chucked when detached from the tractor.
- Under NO Circumstances** should anyone attempt to use the roller as a means of personal transport. It is designed as a specialist purpose farm implement and is unsuitable for the safe transportation of passengers. **NEVER** allow anyone especially children to travel anywhere between the tractor and the roller.
- Take extra care when operating on sloping ground. **NEVER** operator on ground on which there is a risk of the tractor and roller becoming unstable.
- Always take care when moving with a water filled roller as sharp turns or erratic driving may unbalance the tractor. Avoid tight turns at headlands. For increased tractor stability a four-wheel drive tractor is recommended.
- Where local laws permit ensure that a flashing amber beacon is mounted on the cab of the tractor and is always used when transporting the roller on the road.
- ENSURE** that all laws regarding restrictions due to the size of the machine are followed
- Before and during operation inspect the area around you. All children, visitors and animals should be kept away from work area.

- Before operation make yourself familiar with all elements and controls of the machine as well as their functions.
- To avoid personal injury do not allow hands or limbs to enter the area between the drum and the main frame.
- NEVER** allow children to play on or around tractors and machinery.
- Extra care must be taken when transporting / using the roller as it extends past the side of the tractor.
- Never attempt to move this implement manually.
- NEVER** leave tractors and rollers unattended in the wheel lowered position. **ALWAYS** lower the main roller to the ground when leaving unattended or storing.

#### 1.4 GENERAL OPERATING INSTRUCTIONS

- This roller is a tractor-trailed implement. Attempts should not be made to attach the roller to any other type of vehicle.
- ENSURE** each section is filled **EQUALLY** with an amount of water, depending on the type of ground and the required effectiveness of the roller. Increasing the amount of water in the roller will increase the weight and the effectiveness of the roller.
- Ensure all hydraulic hoses are connected securely to their corresponding sockets.
- Transport of the roller between work areas using the integral wheel-kit is recommended.
- Drain the roller sections after use by unscrewing the bungs at each end of the roller and moving the roller until the fill holes are at the lowest point.
- NEVER** leave the roller full of water for any duration during cold weather as if the water freezes then the drum can crack and leak.
- To detach the roller from the tractor the following steps should be followed:
  - The roller should be in the transport position.
  - Lower the drum and the wheels to the ground.
  - Lower the drawbar to the ground, release the pressure from the system and disconnect the hydraulic pipes.
  - Chuck the wheels securely.

- Take extra care to ensure that the area is clear when changing the roller from the transport position to the operating position.
- ALWAYS** ensure that there is sufficient space for the drums to open into when unfolding the side drums.
- ALWAYS** make sure that the tractor has come to a complete standstill before unfolding the side rollers. **NEVER** attempt to unfold the side rollers while the tractor is in motion.

#### Unfolding the roller to the operating position

- Fully close hydraulic cylinder C
- Open cylinders A and B
- Open cylinder C approximately 75mm to operating position. This enables cylinder A to engage the free play swivel box mechanism. **NEVER** operate the roller without sufficient free play in the flotation bracket.
- Adjust the hole position of cylinder A to suit drawbar settings if necessary.

#### Return the roller to the transport position

- Open Hydraulic cylinders A and B.
- Open hydraulic cylinder C.

