

LOZOVA  **MACHINERY**

LIRA

Hydraulic spring-tooth wide level harrows
15 m and 24 m



Money works!



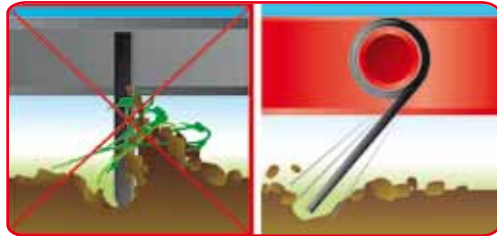
LIRA
Spring-tooth harrows are the most popular and marketable products in modern farming and agricultural industry.

LIRA+REAL
LIRA spring-tooth harrow is easily aggregated with REAL unit for spreading of plant protecting agents and liquid mineral fertilizers.

LIRA spring-tooth harrows are used for:

- uniform distribution of stubble remains on the field
- prevernal soil harrowing for destruction of superficial crust and prevention of weed growth
- weed destruction in the "white fiber" phase
- moisture closing with capillary flow interruption from the substrate
- levelling of tilled soil surface
- placement of seeds and mineral fertilizers scattered across the field
- broadcast tillage while handling of fallow lands and sowing preparation while fall-ploughing

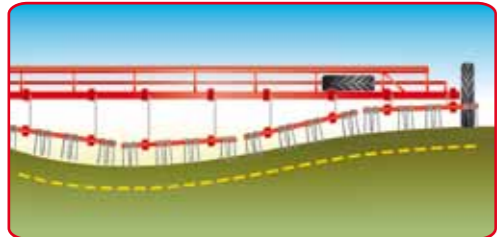
- Harrow teeth are manufactured of special high-quality steel with special heat treatment. Due to the vibration effect, the spring teeth are not clogged up and high quality soil tillage is provided.



- Careful tillage is provided due to the possibility of simple and quick adjustment of the teeth tilt angle. There are 15°, 30°, 45°, 60°, 90° teeth tilt angles.



- Ground roughnesses are followed by the movable sections.



- One tractor driver can move LIRA from active into transport position and backwards.



LIRA + REAL

15 years of successful work



We continue improvement of our products for your needs

2014:

- the unit construction was optimized and improved ensuring acceleration of the harrow assembly
- spring-tooth service life was increased up to 3 years
- spare parts range was extended, and at present all spare parts are available for purchase with a dealer network and directly at the manufacturing plant

Advantages of LIRA + REAL application in comparison with the field sprayers:

- considerable reduction of primary nutrient loss due to its simultaneous placement
- reduction of operating costs due to spreading of primary nutrient and its embedding in one pass

In comparison with the fertilizer spreaders on the base of cultivators:

- possibility to work with seeds and early sprouting
- higher productivity

- >95%** Weed destruction
- >90%** Presence of stubble remains and other plant residues
- >70%** Placement of mineral fertilizers scattered across the field

- The product is equipped with a brake system which enhances the operating safety.



- This sprayer with a set of equipment can be easily mounted onto any standard LIRA spring-tooth harrows (LIRA-15 or LIRA-24) as it is fixed to the frame with clamps and clips.



| LIRA-15 / LIRA-24 | | REAL-15+LIRA-15 / REAL-24+LIRA-24 | |
|-----------------------------------|-----------------------|-----------------------------------|--------------------------|
| Working width | 15 / 24 m | Working width | 15 / 24 m |
| Operating depth | max. 9 cm | Operating speed | max. 12 km/h |
| Distance between separate furrows | 38 mm | Hopper capacity | 2.5 / 5.0 m ³ |
| Operating speed | max. 15 km/h | Unit efficiency | max. 18 / 28.8 ha/h |
| Efficiency | max. 22,8 / 36.6 ha/h | Tractor power | 75-90 / 130-170 hp |
| Ridgeness of field surface | max. 2 cm | | |
| Total weight | 2050 / 2850 kg | | |
| Tractor required power | 80 / 130-170 hp | | |

AGRICULTURAL MACHINERY



LIRA
Hydraulic Spring-Tooth Wide Level Harrows



REAL
Units for Spreading of Plant Protecting Agents and Liquid Mineral Fertilizers



DUCAT
Compact Disc Harrows



SHILLING
Stubble Cultivators



THALER
System Carriers



CROWN
No-Till Units



POUND
Land Rollers



CHERVONETS
Seedbed Cultivators



ZLATNIK
No-Till Seed Drills

SPARE PARTS FOR AGRICULTURAL MACHINERY

A wide range of spare parts for the whole product line of machinery manufactured by LKMZ is always available in stock:

- spring teeth
- bearing units
- discs and working elements
- rubber components for the Real sprayer
- tines and coulters
- and other consumables

BEARINGS FOR AGRICULTURAL MACHINERY

Bearings and bearing units manufactured by the Kharkov Bearing Plant (HARP)

UPEC TRADING
4, Marshal Batitskiy Str.
Kharkov, 61038, Ukraine
phone: +38 057 738 10 14
fax: +38 057 738 10 43
agro@upec-trading.com

www.agro.upec.ua

www.lkmz.com

