



1

HANS HOOGLAND

ASM LEMKEN NL-NOORD

LAS

MAS

HAS

1990 – Dealer Cebeco Mechanisatie

1996 – Importeur LEMKEN

2006 – Pioneer / Dupont

2008 – Lemken Nederland



2

Geschiedenis

240 JAAR LEMKEN IN BEWEGING

1780

Het jaar dat het allemaal begon. Wilhelmus Lemken richtte een smederij op, van waaruit LEMKEN uitgroeide tot een internationale fabrikant van landbouwmachines.



LEMKEN

3

GESCHIEDENIS

MIJLPALEN VAN EEN SUCCESVERHAAL



1804

Eerste beproefde constructie van een LEMKEN ploeg



1922

Eerste ploegpatent



1980

Aanbouwploeg Opal met Optiquick



1986

Schijfcultivator Smaragd

LEMKEN

4

GESCHIEDENIS MIJLPALEN VAN EEN SUCCESVERHAAL



1997

Pneumatische
zaaimachine Solitair



2001

Compactschijveneggen Rubin



2007

Intensief-cultivator Karat



2013

Juwel TurnControl Pro

LEMKEN

5

GESCHIEDENIS MIJLPALEN VAN EEN SUCCESVERHAAL



2013

Precisiezaaimachine Azurit



2018

Schoffel- en
cameratechnologie in het
programma



2019

Opname van
kunstmeststrooiers
in het programma



2022

„Combined powers“
Conceptstudie van een
procestechnische eenheid in
samenwerking met de firma
KRONE

LEMKEN

6

ANNUAL NUMBERS 2023



2,100
Employees



80 %
Export



33
Subsidiaries



565 Mio. €
Turnover



13,500
Produced Units



11
Production- &
Assembly Locations



7

LOCATION NETHERLANDS

IN THE HEART OF EUROPE



ALPEN
(GERMANY)
Head quater &
Competence Centre
soil cultivation



HAREN
(GERMANY)
Sowing technology
Competence Centre



DINTELOORD
(NETHERLANDS)
Competence Centre
Crop Care



8

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ACTUEEL > LEMKEN ONDIEP PLOEGEN (DUURZAAM?)

ECO/ ONDIEP PLOEGEN



Product news for the season



10

KORALIN K

ACTUEEL: ULTRA- ONDIEP

- 660 en 880
- Round up discussie
- “loopt” op de wielen



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ACTUEEL EN ACHTERGRONDEN

- LEMKEN GESTOPT MET SPUITEN

OVERNAME SCHOFFELTECHNIEK

- CHEMIE DISCUSSIE (ROUND-UP)....
- RESIDUE ONDERZOEK.....
- RESISTENTIES ONKRUIDEN.....

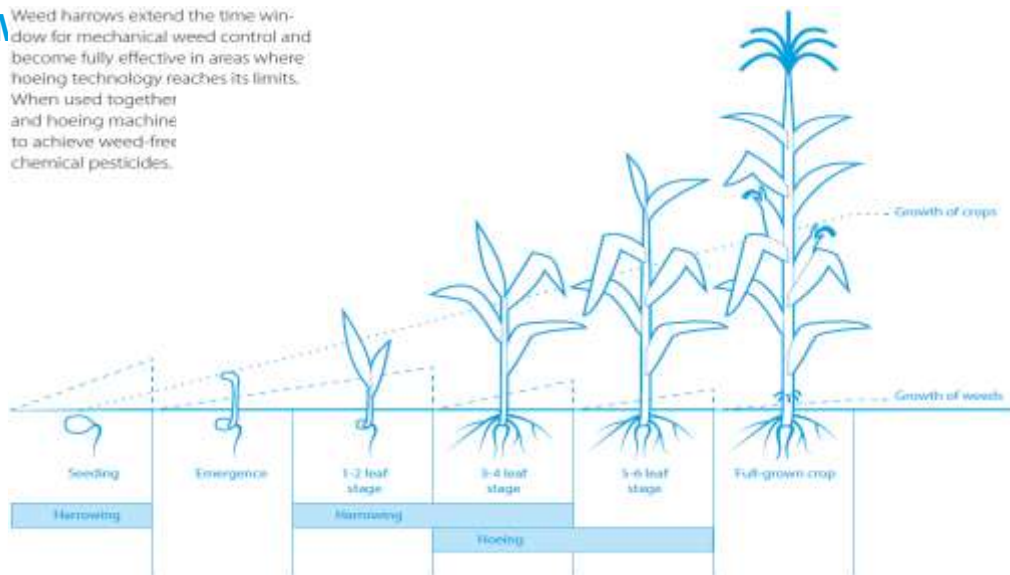
- VEEL IN TUINBOUW (GROENTEN)
- TUSSEN DE PLANTEN
- CAMERA- TECHNIEK AI
- NIEUW: WIEDEG



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TIMEFRAME & GROWTHSTADIA DEFINE MEASURES

Weed harrows extend the time window for mechanical weed control and become fully effective in areas where hoeing technology reaches its limits. When used together and hoeing machine to achieve weed-free chemical pesticides.



13

13

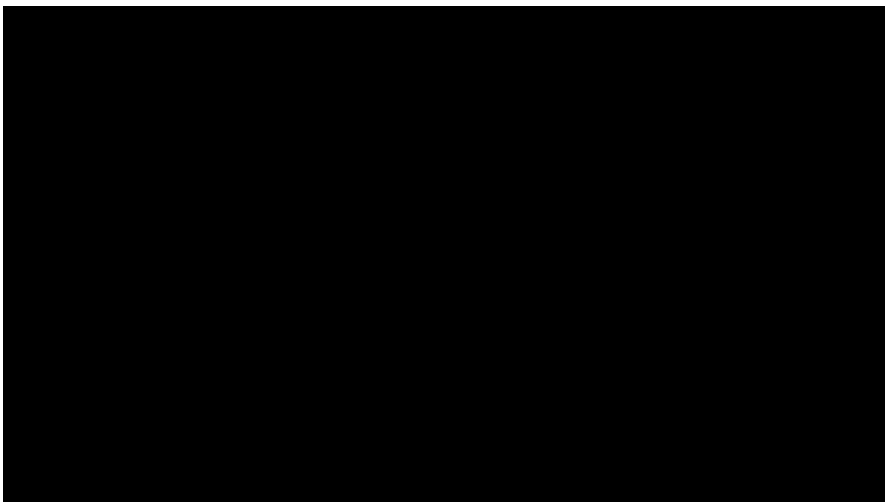




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WEED HARROW

PRODUCT VIDEO THULIT MF/1200



15

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WEED HARROW

UNIQUE FEATURES THULIT



Stepless
electro-hydraulic
tine pressure :
100 - 5,000 g



Infinitely variable
tine pressure
adjustment from
the tractor cab



Asymmetric
tine structure



8 rows at 4
tubes



Tine spacing:
31.25 mm



V-Folding

16

Product news for the season

16

LEMKEN THULIT

PURPOSE OF USE

1

Eliminate weeds,
which compete with
cultivated plants for
resources such as water,
light and nutrients

2

Aerate the soil
and promotion of the
mineralization

3

Reduce water evaporation

4

Level the ground surface

18



18

LEMKEN THULIT

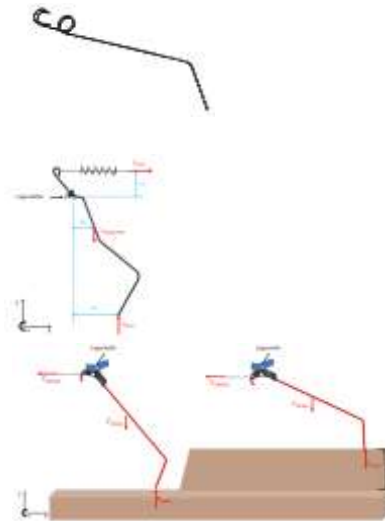
WEED HARROW TYPES

Weed Harrow

Tine
Weeder
1st
generation

Tine
Weeder
2nd
generation

Tine
Weeder
3rd
generation



19

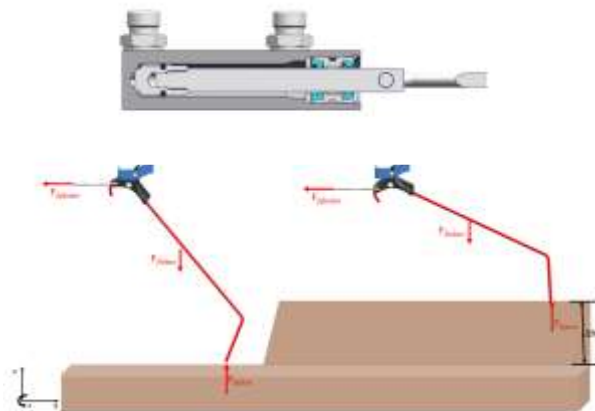
Product news for the season

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LEMKEN THULIT

HYDRAULIC TINE PRESSURE

- 100g - 5000g tine pressure
- Constant pressure over the entire movement of the tine
- Stepless adjustment of the tine pressure from the tractor cabin (also while driving)
- Easy tine replacement by one screw
- Without tine pressure the tines are automatically lifted
 - Easy unclogging of blockages
 - Safe road transport



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Product news for the season

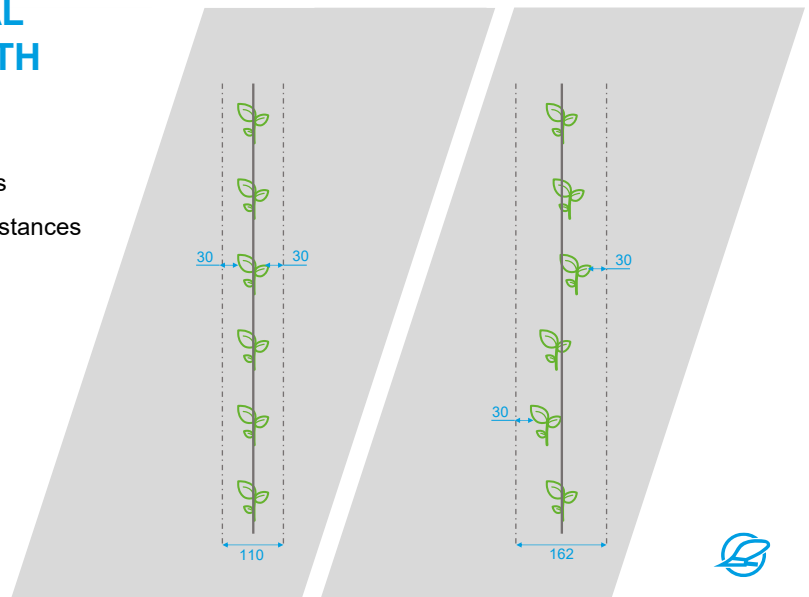
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PRECISE MECHANICAL WEEDING STARTS WITH PRECISE SEEDING:

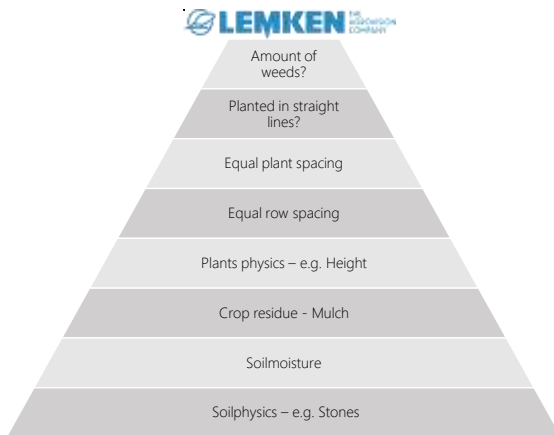
- Straight lines; enable narrow bands
- Good seedplacement = Precise distances



22

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FACTORS FOR EFFECTIVE MECHANICAL WEED CONTROL



Example:

- 1 ha = 10.000 m²
- Rowdistance 50 cm
- 20.000 m straightout equals 1 ha

Hoeing knife width (cm)	% not Hoe-ed	m ² not hoe-ed
38	24	2.400
40	20	2.000
42	16	1.600
44	12	1.200

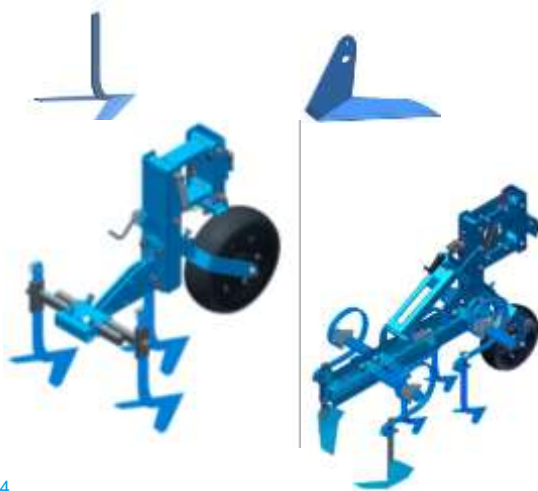


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KNIVES

ONTWIKKELING



24

24



- Cutting as shallow as possible
- Toughened A knives 8 - 42 cm
- L –Knives 8 / 15 cm – also special “sand”type
- Rigid or Vibro
- Straight or bended stems
- Pay attention to sufficient overlap
- Examples in individual line pricelist



ONTWIKKELING > SCHERP

DURAMAXX A-BLADES



- Consistent working width over lifetime
- Blade stays sharp
- Durability compared to standard: at least factor 3

Planning:

- Q4 2025 Series available to order
 - 41810001 – 14 cm
 - 41810002 – 16 cm
 - 41810003 – 18 cm
 - 41810004 – 20 cm
 - 41810005 – 22 cm
 - 41810006 – 26 cm



25

25

KNIVES

SCHIJF + ZIJMES = EXACT



- Exact cutting close to row
- No risk of chunks with plants breaking off
- Combination on rigid mount
- L-knives 8 or 15 cm
-



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26

KNIVES

DUCKFOOTS



- Deeper loosening, aerating, covering
- Flexibele, but also less exact
- Ideal for fertilizing or seeding combinations
- 13,5/ 15,5 of 20cm

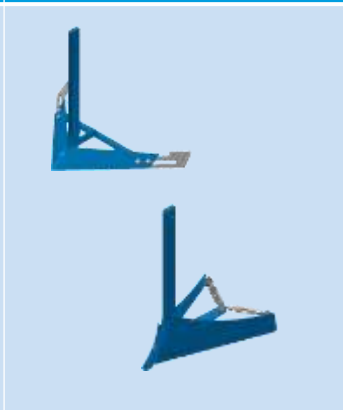
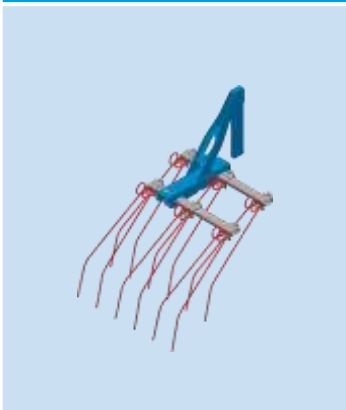


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INTER-ROW & INTRA-ROW

EXTRA TOOLS

Inter-row
harrowIntra-row
Earthing-up share

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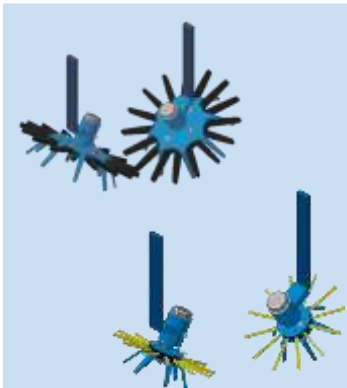
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INTRA-ROW

EXTRA TOOLS



Rubber- or brush fingers 	Finger weeder hydraulic  	Finger weeder mechanical  
		

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THE COMPACT

BASIC-ELEMENT



- 15 – 50 cm working widths
- Mounted on the profile toolbar
- Different tool holders
- Light conditions and small crops
- Bushings
- Pressure with spring tensioning



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THE ALLROUNDER

COMBI-ELEMENT

31

31

- In addition to the Professional-Line
- Different depth guide wheels
- Wider range of tools
- More individual row spacing/number



THE HEAVY DUTY ONE

TRS ELEMENT

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- Mounted on 100x100 frame
- Frame height: 70 cm
- Tool holders: 5
- Minimum row distance: 20 cm
- Heavy conditions





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OPERATOR VIEW

IC-LIGHT TERMINAL



34

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PARALLEL STEERING FRAME

EC-STEER 7

35

35



- Parallel steering frame
- Three-point linkage category 2 (L2 Z2)
- Carrying capacity 2.500 kg
- Camera control IC-Light OR Manual control

**COMPETENCE: Camera control**

- In-house developed RGB camera for precise detection of plant rows
- Remote maintenance possible via network connection
- Newly developed ISOBUS connectivity as an open platform in the communication standard for the agricultural industry



iQblue vision



iQblue vision +

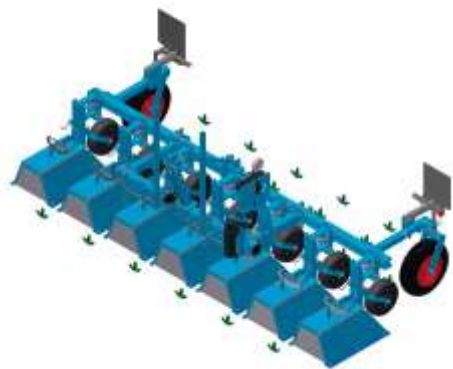
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ECONOMICAL AND SUSTAINABLE BAND APPLICATION

EC-SPRAY HOOD



- For rows of plants in a flat field. The herbicide is applied inside the hood.
- Savings potential of up to 80 % of the application rate
- Thanks to the direct application of the crop protection agents on the weeds, growth depressions of the crop plants are prevented
- Working width up to 13 m
- Driving speed up to 8 km/h
- Row spacing between 20 and 75 cm
- Automatic and manual steering systems

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A WIDE RANGE OF POSSIBILITIES

SPRAYKIT



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SprayKit

- Can be attached to any mounted machine
- Compact basic fitting for the attachment as an interface between application kit and SprayHub
- Mechanical section control or up to 25 electric individual nozzles

Nozzle holder

- Nozzle holder with drip stop
- Precision work due to simple adjustment of the angle



IC-WEEDER – P- & I-LINE

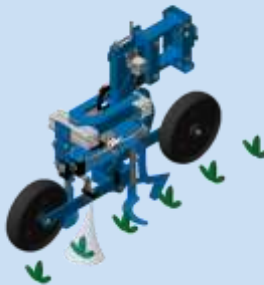
INTELLIGENT HOEING MACHINE WITH SINGLE PLANT DETECTION



40

COMPONENTS

IC-WEEDER

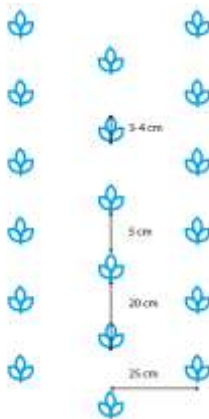
Element C1	Element C2	Crop Clean
		

41

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INTELLIGENT HOEING MACHINE

IC-WEEDER



- Minimum crop size: 3 to 4 cm
- Minimum distance between the leaves of two different crops: 5 cm
- Minimum intra-row planting distance: 20 cm
- Minimum inter-row planting distance: 25 cm
- Maximum plant height: 30 cm

The crops must always be larger than the weeds!

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ARTIFICIAL INTELLIGENCE

OUR AI PARTNER
TRACK32

- A growing AgTech company with 15 employees from the Netherlands (Wageningen region)
- Serves many different markets and customers with software solutions (also outside agriculture)
- Strong focus on the development of software for computerised cameras (hardware, software and market integration is left to partners and customers)
- Has been working for LEMKEN for several years and before that for Steketee on

Track32 ist in den folgenden 4 Anwendungsbereichen tätig:



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SAMENVATTING

>

- Ontwikkelingen schoffelen;
 - HARDMETAAL, HOEKMESSEN, VINGERWEEDER Etc.
- WIEDEGGEN
- CAMERA-BESTURING
- IN DE RIJ TUSSEN DE PLANTEN

- AANVULLING: OP SPOTSPRAY? STROOM? LASER ETC.



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SAMENVATTING

- * SCHOFFELEN ALLEEN MOGELIJK IN RIJEN
- * SCHOFFEL/ WIEDEG IS AANVULLING OP..

BELANGRIJK:

- > MINDSET!!
- > SECTOR IS INNOVATIEF?



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THANK YOU FOR YOUR
ATTENTION