

RESPIRO

lifting instead of sweeping

Why buy another rotary rake?



RE10.EN.1019

The future of raking






REITER

Sweeping machine versus

Rotary rake after 50 years at the crossroads

The established rotary rake technology has been on the market for over 50 years. The challenges of the practice and the higher quality awareness of farmers are increasingly putting this technology under pressure:

„Sweeping“ is the problem

-  **Impurities**
unfavorable bacteria and fungi, dust, earth, sand, stones, foreign objects, manure and muck particles, mice, rotten undergrass
-  **Losses**
leaf losses, crumble losses, raking losses, fermentation losses, losses at the feeding table, wear on machines
-  **Unreliable in difficult conditions**
moist and soft soils (flood plains and boggy areas), uneven and unrolled fields, dry and stony topsoil, low peat density, cover crops, corn straw as well various special cultures (hemp, sorghum)
-  **Deficits in performance and other factors**
compacted / twisted swath, limited working speed, higher power requirement, worse after-drying at the swath, not flexible in working width and direction of swathforming
-  **Endangering animal health**
contaminated food causes inflammation, fertility and claw problems, reduces animal performance, digestive issues with horses

... the bottom line is „sweeping“ makes no sense

- everything comes along
- unflexible, slow
- reduces the feed value
- endangers animal health and animal welfare
- damages cutting mechanisms by significantly encreasing wear

low purchase price,
but economically questionable

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Respiro technology on the rise

The path to the future calls for a fundamental rethinking from sweeping to lifting. Respiro pick-up rakes are revolutionary in their characteristics. The elastic, camless small-diameter pick-up in combination with the trailing tines and the conveyor rotor delivers outstanding results:

„Lifting“ is the solution

-  **Cleanest forage**
noticeable reduction of impurities of all kinds
= best basic feed quality
-  **Least losses**
less leaf losses improve protein content, very little wear
-  **For all conditions**
ideally suited for difficult operating conditions
-  **High performance and flexibility**
fluffy swaths, no entanglement, high working speed, full flexibility in working width, swath forming left and right possible
-  **Animal Health**
better fodder keeps animals healthy, less worries, more success

Further economic success factors:

- higher added value in the silo and livestock
- less wear reduces repair costs
- lower harvest costs
- higher protein content
- one machine for all harvesting procedures
- less damage to harvesters due to stones, etc.

RESPIRO – the future of raking

best forage quality,
best performance,
best flexibility,
best feed hygiene



RESPIRO the new dimension of value creation

For the farmer:

Less feed contamination

- + better fermentation quality and higher feed intake
- + less crude ash, more energy, more protein, more milk yield
- + best forage quality ensures animal health, less veterinary costs

Less raking losses

- + more crop per ha / acre
- + less crumble losses results in more performance from the basic feed
- + no leftover rotten grass

Ideal for legumes

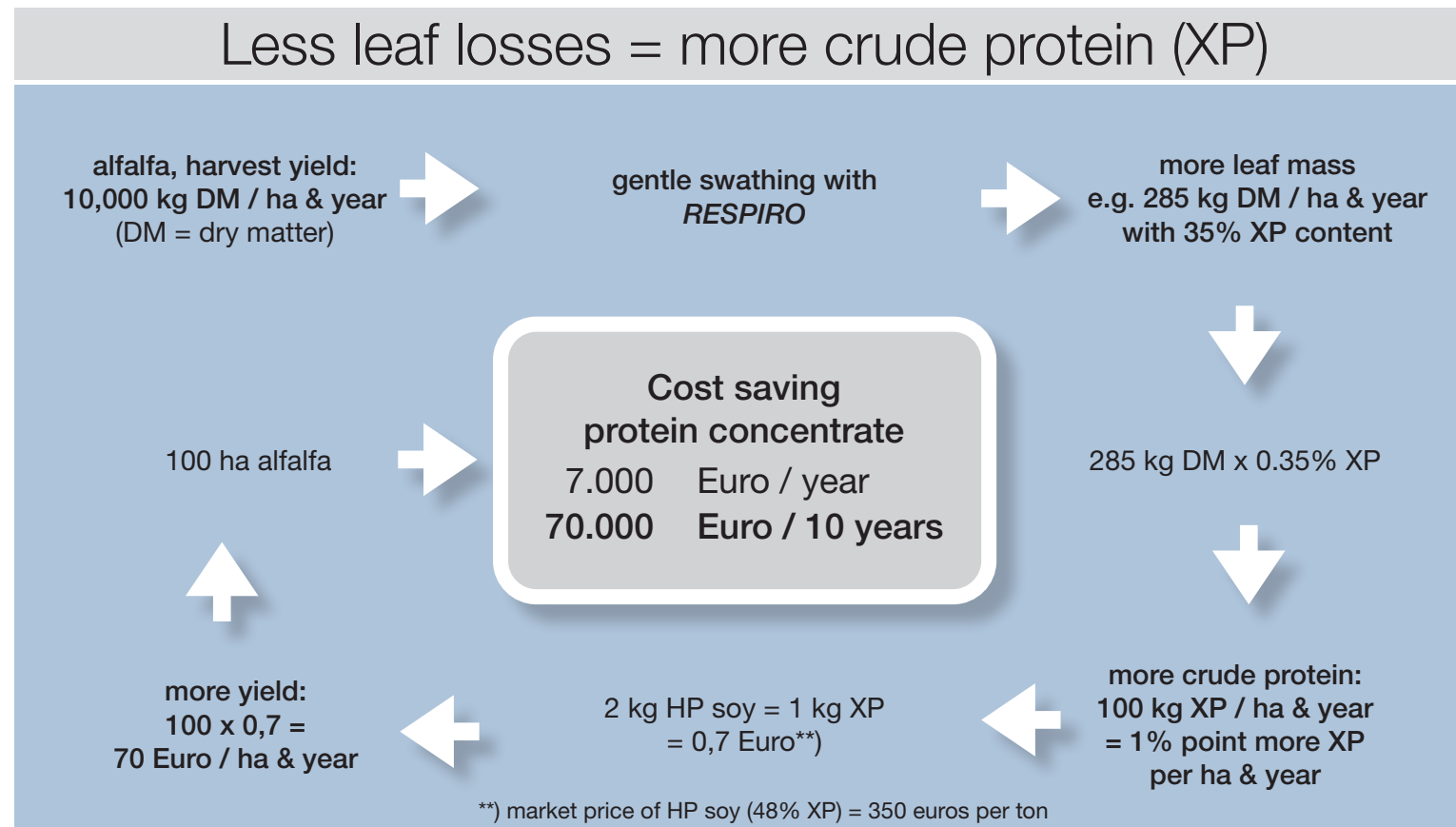
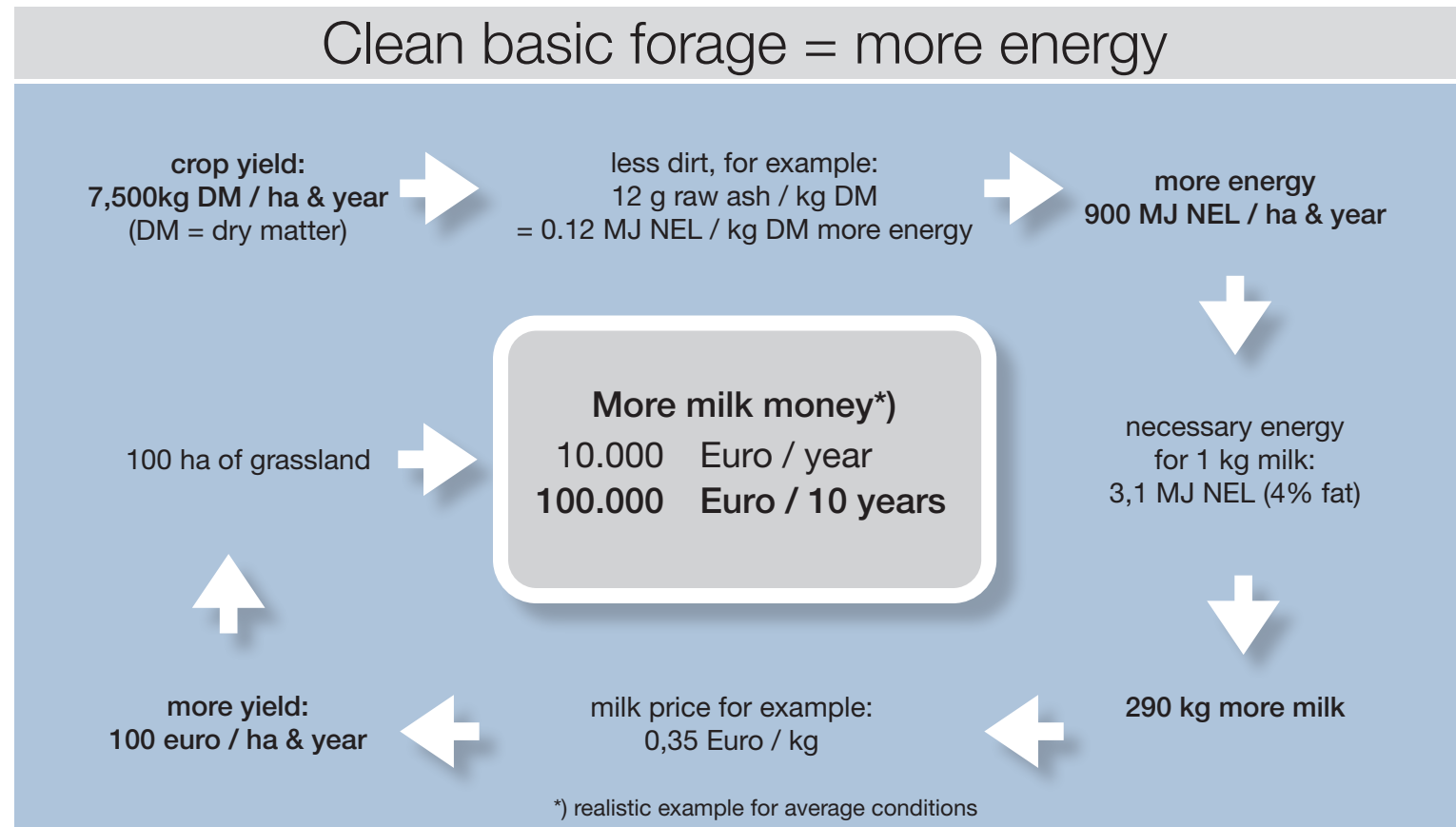
- + less leaf losses
- + more crude protein

Fluffy swath, even, in perfect size allows ...

- + earlier start of the raking process
- + lower hay drying costs
- + less foraging hours

More advantages

- + Soil protection
- + less power demand
- + less wear
- + no broken pick-up tine legs in the forage
- + higher lifetime performance of the machines
- + lower repair costs



For the contractor:

Less food contamination

- + image gain at the customer through higher feed value
- + higher revenue per hour or hectare
- + less foreign objects failures in the forager, loader wagon or baler

Less power demand and wear

- + lower wear costs on the rake through passive tines
- + little time breaks, tines cannot get lost.
- + less knife sharpening at the cutting units of harvesting machines
- + higher lifetime performance of the machines

Versatile: better utilization of rake and following harvesting chain

- + in all fields of application grassland, forage (for example alfalfa), turning straw swaths, corn straw
- + Flexibility through centre swath / side swath with much or little crop
- + from long horse hay to short last cut permanent grassland
- + higher working speed and performance without loss of quality

Fluffy swath, even, in perfect size

- + earlier start of raking possible
- + even swath for high performance of the following harvesting machine
- + repeated lifting does not result in twisted swaths and losses
- + cleaning up corners and pointed fields by loading the stopped tape



RESPIRO the key technology of the future

The decisive advantages

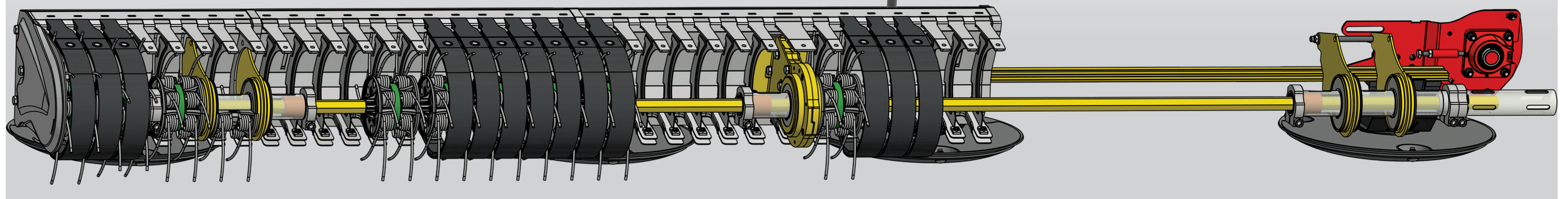
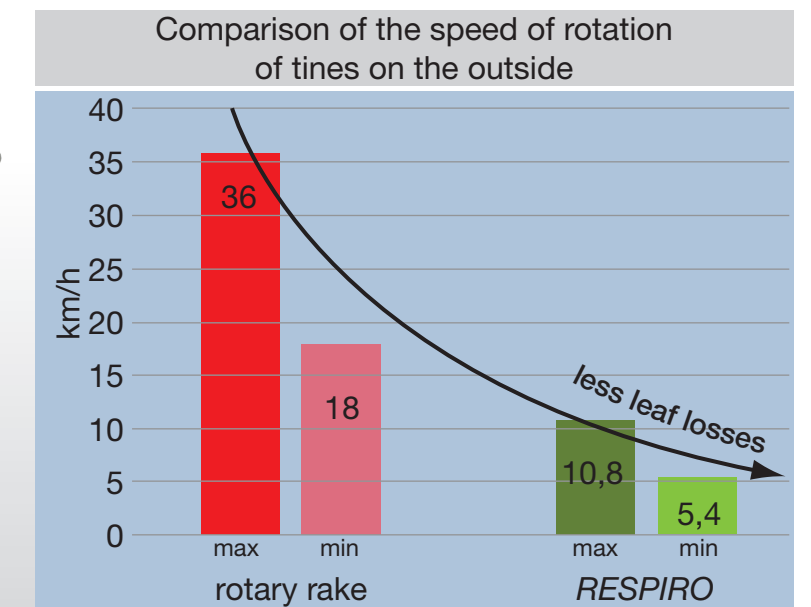
1. Elastic pick-up
 - best ground hugging
2. Small diameter
 - powerful and gentle
3. Trailing tine geometry
 - gentle and durable
4. Camless
 - maintenance free
5. Anti-loss system
 - no loose tines
6. Sliding disc close to the tine
 - best ground hugging
7. Rotor
 - uniform crop flow

Anti-loss System
no loose tines

PATENT
pending

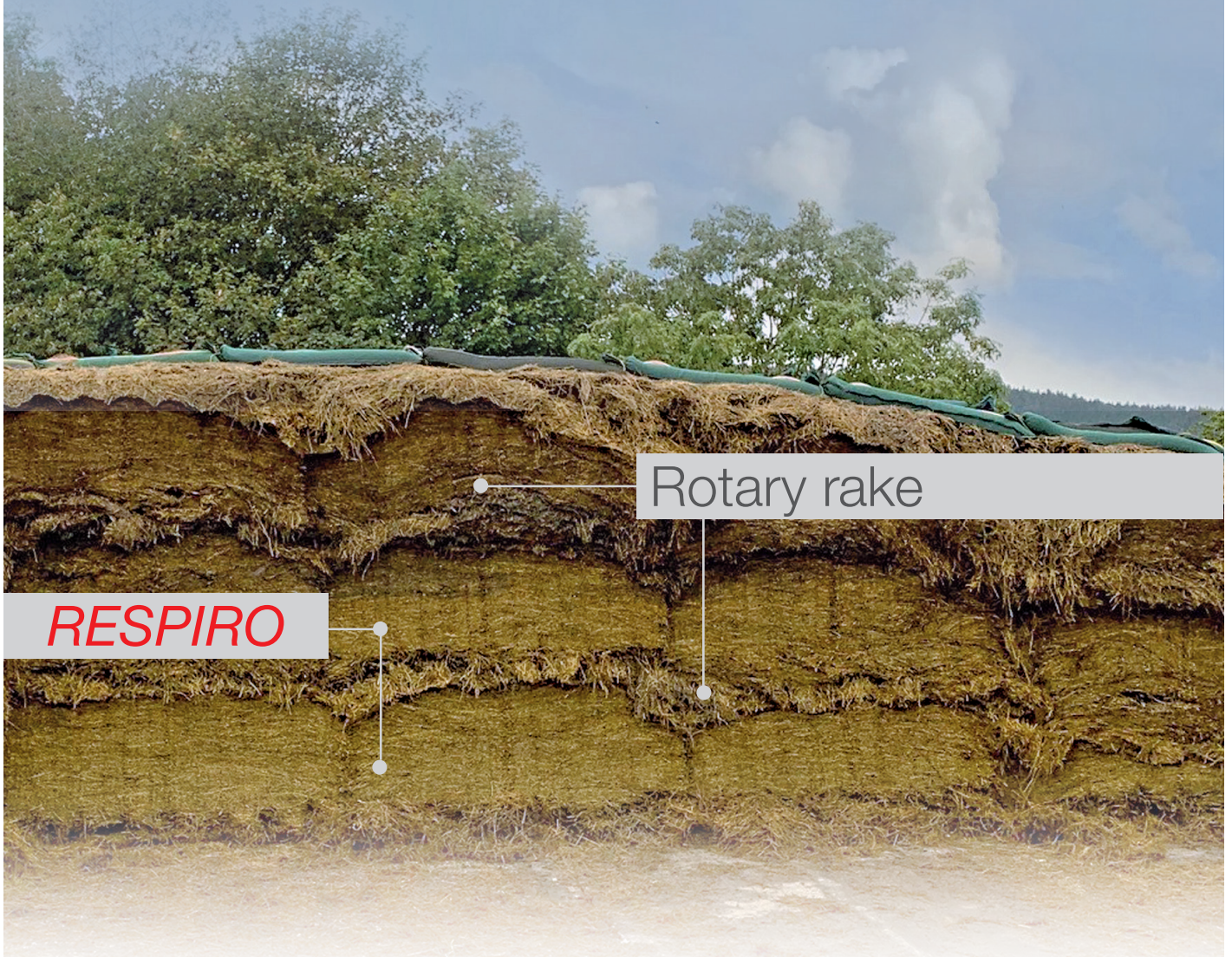
Unique: the trailing tine

1. No aggressive ground contact possible
2. Stones remain lying, as well as foreign objects
3. Less dirt in the forage
4. Less wear on the tine tip
5. Less tine breakage - significantly longer life
6. Tine legs do not bend when turning
7. Raking of corn straw is possible - plant stems are not uprooted
8. Additional gentle ground contour following



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Could we convince you?



Picture credits: raking community Laussa, Upper Austria

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and men respire

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