

WHY TO PROTECT SEEDS PRODUCERS FROM COUNTERFEITING & DIVERSION?



Seeds breeders invest US\$ millions in seeds technologies and hybridization to grow seeds that will guarantee excellent crop properties (prague resistance, weather stability) and obviously, maximizing farmers harvest. Precision agriculture is an answer to feed the world, seeds are the origin of any harvest, protecting them from counterfeiters will protect farmers from poor yield quality and will continue to fight for a zero hunger planet.

ISSUES TO BE SOLVED



2nd GENERATION SEEDS COMERCIALIZATION

GENUINE /
FAKE MIXING

NO PACKAGING / SEEDS BREEDED OVER LICENCES

OUR PROPOSAL

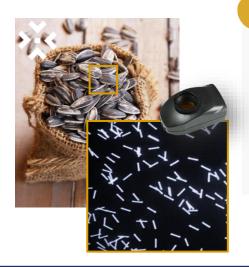
ANTI-COUNTERFEITING

Impactless on production process and seeds efficiency, microfibers are mixed directly in seeds coating.

Once applied, each seeds is marked and can be uniquely authenticate through a dedicated reader. Microfibers will be visible for each genuine seeds making possible to identify « genuine / fake » mixes.

ANTI-DIVERSION

Using different Microfibers **shapes, colors or length,** seeds breeders can identify a specific batch, SKU, distributor, destination country or licensee.



MICROFIBERS

It consists on an exclusive, extremely low concentrated additive for seeds coatings that permits on-field authentication without need of internet access. Colors, lengths or even shape makes possible to "codify" seeds by batches, SKUs or destination countries.

FEATURES & BENEFITS

EMBEDED SECURITY



Undetectable to the naked eyes under daylight, UV & IR lights Cost Effective solution very low concentrated

EASY & SECURE



On field verification reader Instant & non destructive control

EASE OF IMPLEMENTATION



Impactless on production process

Incorporated in the ppm range **Taylor made** formulations

PATENDED TECHNOLOGY



Proprietary synthesis process **Patented** reader technology

ARJO SOLUTIONS A PARTNER OF CHOICE IN SEEDS AUTHENTICATION

On-field seeds identification, outside any packaging and without the need of an internet access.

A simple and proprietary tool to identify batches, SKU or distributors to tackle grey market.

Easy implementation, impactless on actual production process and seeds efficiency. Microfibers will allow you to ensure that your products end up on the right market in its integrity.

Combined with traceability and consumer interaction, Microfibers will ensure the authenticity, the access key for larger digital track & trace program.