PRODUCES THE FIRST SPRAYER IN THE WORLD WITH HORIZONTAL OR TRANSVERSAL FLOWS for a TARGETED and ANTI-DRIFT DISTRIBUTION

PRESENTS THE FIRST SPRAYER IN THE WORLD WITH HORIZONTAL FLOWS and «ELECTROSTATIC» ANTI-DRIFT DISTRIBUTION WITH NO CHEMICAL RESIDUES ON THE PRODUCTS (Patents: B092U000166 and B093A000444)

GOLD Medal for “Technological Innovation” at VERONA AGRI SHOW ’94

ELECTROSTATIC
B612 TWIN MULTI-FLOW “A.D.S.C.”
(Air & Droplet Size Control) system

THE EVOLUTION

...since 1981
ELECTROSTATIC
B-612 TWIN MULTI-FLOW
“A.D.S.C. System”

THE EXCELLENCE OF INNOVATION

5 NEW ADVANTAGES IN ONE

1. **NEW** Selection of different airflow speeds and angle of incidence – Tractor absorbed power reduced by 25-40%

2. **NEW** Selection of different droplets diameters as needed

3. **NEW** New high precision fluid metering valve

4. **NEW** New integrated anti-drip system (Patent: B02010A000204)

5. **NEW** New multi-flow nozzles with reinforced Electrostatic charge

LOW AND ULTRALOW ELECTROSTATIC CHARGE SPRAY VOLUME

**FIRST** and **ONLY SYSTEM** of SPRAY RECOVERY WITHOUT ANY RECYCLING OF INSECTICIDE – WITH ANTI-DRIFT EFFECT but ALSO **NO CHEMICAL RESIDUES** on FRUIT, GRAPES, WINE, etc. OF PROVEN PERFORMANCES
ELECTROSTATIC
B-612 TWIN MULTI-FLOW “A.D.S.C.”
(Air & Droplet Size Control) system

GRAPHIC REPRESENTATION OF THE MECHANISM OF ACTION OF THE ELECTROSTATIC CHARGE

A: With full volume of air in normal work with alternate rows

B: With reduced air volume in border rows or buffer areas
“Martignani” Electrostatic recovery device

The very FIRST to be produced in EUROPE (1981) and the ONLY ONE to be experimented by eminent Research Institutes Worldwide with excellent results. Already established in farming practice with thousands of vine and fruit-growers throughout the world, this device represents one of the most important contributions towards progress in research into new solutions able to optimize application techniques. Numerous tests have shown that it can REDUCE LOSSES THROUGH DRIFTING by 85%. On request, it can be applied to the entire “MARTIGNANI” range.

Technical Principle

Thanks to the electrostatic fields formed between the plants, which are good conductors (sap, mineral salts, moisture, etc.) and the chemical mist sprayed from “Martignani” mist blowers with their special electrostatic charge, droplets saturated with active principle are attracted by the vegetation (branches, leaves, etc.). This reduces losses through drifting even in windy weather. Years of research and practical experiments already conducted to date in this particular field by eminent institutes in North America (California), South America (Argentina-Uruguay), Asia (Philippines), Africa (Tunisia) and Europe (Holland, France, Germany, Hungary, Italy) have given surprising results. All this has allowed researchers to affirm that electrostatic mist-blowing sensibly improves the many advantages acknowledged by everyone when it comes to low-volume plant-protection treatments while eliminating those few aspects that certain people still question once and for all.

These are the main advantages:

- The plant protection products are evenly distributed and adhere perfectly to even the undersides of the leaves.
- Less loss thru’ drifting.
- Total use of the pesticide, thus even less product required per hectare.
- Total coverage of even the tallest parts of the trees (where conventional air blast sprayers are unable to reach) since the chemical mist that forms above the plants is attracted by these latter.
- Jobs are done faster
- More time saved.
- Healthier plants and better quality produce.
- A notable reduction in environmental pollution.
- The risk of the operator being contaminated by pesticides (both by inhalation and by contact) is reduced by 70%.