

CEREAL-SAN®

THE IDEAL APPLICATION TECHNOLOGY

*Admixture and environment
nebulization equipment*



PEST CONTROL OF EMPTY SILOS AND WAREHOUSES

BEFORE THE STORAGE

MIST CEREAL-SAN®

Robustness, flexibility and simplicity to use are few of the main peculiarities of the most professional Ultra Low Volume (ULV) nebulizer on the market.

TANK CAPACITY 24 l

MAIN FEATURES:

- ✓ 24 l capacity stainless steel tank;
- ✓ 8 bar safety valve;
- ✓ 0-10 bar pressure gauge;
- ✓ Air-liquid nozzle*;
- ✓ Handgun and spiral tube.

OPTIONAL:

- ✓ Timer



INTERNAL AGITATOR



TIMER



AIR-LIQUID NOZZLE



*example: Air-liquid nozzle covers up to 24.000 m³ using 24 l of solution in 55 minutes

CANNON CEREAL-SAN®

The most powerful and effective Ultra Low Volume (ULV) spraying system ever created. The piston pump runs 8 micro-nozzles able to fill large volumes in a small amount of time. The pump-ventilator system is powered by a 220V single-phase electric motor.

WORKING PRESSURE 30 bar

MAIN FEATURES:

- ✓ 120 l capacity tank;
- ✓ Stainless steel micro-nozzles;
- ✓ Manual system for the outflow's direction;
- ✓ Ventilator with a 6000 RPM electric motor.



ADMIXTURE TREATMENT ON CEREAL GRAINS

STORAGE

CEREAL-SAN®/DUO CEREAL-SAN®



CEREAL-SAN® is a compact and solid system developed with a magnetic drive stainless steel pump, able to run up to 3 spraying independent lines for the direct treatment of post-harvest cereals.

FLOW RANGE CAPACITY 33 l/hr

MAIN FEATURES:

- ✓ 230V - 50Hz - IP55 single-phase electric motor;
- ✓ Self-supporting, flat-bottom, 100 l capacity polyethylene tank;
- ✓ Nr 2 spraying units with a filter and fixing supports;
- ✓ Nr 6 cone nozzles type "TX" (2xA, 2xB, 2xC);
- ✓ 20 mt rilsan tube 4-6mm;
- ✓ 0 - 10 bar pressure gauge;
- ✓ Float with a foot valve.

OPTIONAL:

- ✓ System for maintaining the tank at a positive temperature;



DUO CEREAL SAN®, equipped with two separated and not connected tanks, allows to manage easily and safely the pest-control of different cereals' lots, with different products and dosages.

BIO CEREAL-SAN®



LIQUID LEVEL CONTROL SYSTEM

- ✓ Darkened tank for organic treatments

OPTIONAL:

- ✓ Liquid level control system

POWER CEREAL-SAN®



POWER CEREAL-SAN® represents the most performing system for the direct pest-control treatment on cereals and grains. The electric pump system is fixed directly to the 1000 l tank.

FLOW RANGE CAPACITY 100 l/hr

MAIN FEATURES:

- ✓ 230V - 50Hz - IP55 single-phase electric motor placed on a polyethylene cube with 1000 l capacity;
- ✓ Nr 2 spraying units with a filter and fixing supports;
- ✓ Specific nozzles;
- ✓ 20 mt rilsan tube 4-6 mm;
- ✓ 0 - 10 bar pressure gauge;
- ✓ Float with a foot valve.

CEREAL-SAN[®] AIR-LIQUID



SPECIFIC AIR-LIQUID NOZZLE

Multi-purposes system for the pest-control treatment of post-harvest grain cereals during their transit on the transport line (redler and cochlea mainly). The system involves a specific nozzle able to produce an air-liquid spray finely atomized and penetrant. This nozzle is controlled by an air microcontroller placed on the tank to which is connected the compressed air and by a magnetic drive stainless steel pump. This unit can be also reproduced (on request) on a 50 l stainless steel tank.

FLOW RANGE CAPACITY 6.1 l/hr

MAIN FEATURES:

- ✓ 230V - 50Hz - IP55 single-phase electric motor;
- ✓ Self-supporting, flat-bottom, 100 l capacity polyethylene tank;
- ✓ 0 - 10 bar pressure gauge;
- ✓ Float with a foot valve;
- ✓ 20 mt rilsan tube 4-6 mm;
- ✓ Nr. 1 spraying air-liquid unit;
- ✓ Air microcontroller with compressed air tap inlet;
- ✓ Magnetic drive stainless steel pump;
- ✓ Fittings.

OPTIONAL:

- ✓ System for maintaining the tank at a positive temperature;



STAINLESS STEEL TANK VERSION

AIR CEREAL-SAN[®]

AIR CEREAL-SAN[®] is a compressed-air device for the pest-control treatment of post-harvest grain cereals. It includes a compressed air inlet, a pressure sensor and 2 independent spraying lines for the nebulization of the insecticide's mixture.

FLOW RANGE CAPACITY 3 -18 l/hr

MAIN FEATURES:

- ✓ 24 l capacity stainless steel tank;
- ✓ 8 bar safety valve;
- ✓ Nr. 2 spraying units with a filter and fixing supports;
- ✓ Nr. 6 cone nozzles type "TX" (2xA, 2xB, 2xC);
- ✓ 20 mt rilsan tube 4-6mm;
- ✓ 0 - 10 bar pressure gauge.



DUST CEREAL-SAN[®]



WINDOW TO CONTROL AND UNLOAD THE RESIDUAL POWDER AND VIBRATING SYSTEM



AIR REGULATOR FOR THE VIBRATING SYSTEM

DUST CEREAL SAN[®], thanks to the Venturi Effect, creates the aspiration of the dry powder directly from the hopper and distributes it uniformly on the cereal transport systems, such as redlers and cochleas. It is also equipped with a grid to sift dust. A flexible pipe with a specific supply's unit can be also installed in order to dust surfaces, walls and to treat post-harvest cereal grains.

MINIMUM WORKING PRESSURE 4 bar

MAIN FEATURES:

- ✓ Entirely metallic equipment;
- ✓ 30 kg powders load hopper;
- ✓ Powder output rilsan tube 12 mm;
- ✓ Ball gate valve;
- ✓ Vibrating system for the mass movement;
- ✓ Air regulator;
- ✓ Window to control and unload the residual powder;
- ✓ Electro valve system for remote operations.

ADMIXTURE OF CEREALS

INSTRUCTIONS OF USE

The correct product application is essential to get the expected result in controlling cereal pests. In order to fulfil the different needs, Newpharm® suggests the best application system and the most suitable insecticide's mixture.

WHAT SHOULD YOU KNOW?

1. Storage period in months;
2. Flowrate of transport lines as cochleas, redlers or elevator towers

Knowing those elements, the technical service of Newpharm® will suggest you:

- The most effective mixture, taking into consideration the different kind of cereal grains and the possible pests;
- The most suitable application system and the technical support for the installation.

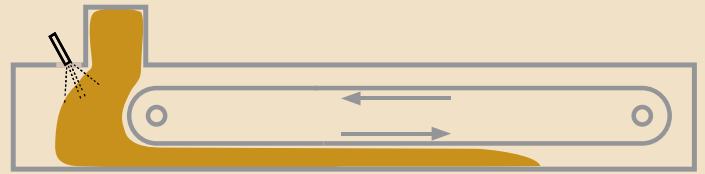
Those two factors are essential to perform a successful application, in order to reduce waste and to achieve the highest effectiveness from the employed products.

The correct set up of the spraying units is crucial in order to achieve optimal treatments on grain cereals. Nozzles need to be placed on cereal's transport lines so that, along the application, (a shuffle of the cereal in order to the product mixture evenly reaches the whole cereal mass smooth the insecticide active substance on the whole volume could be performed).

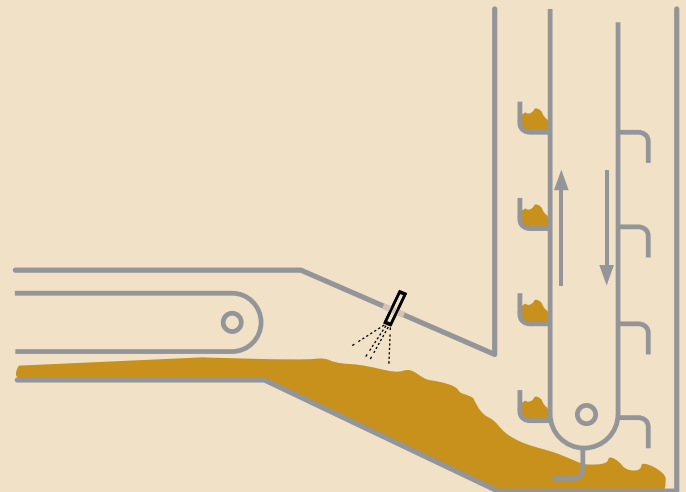
The cereal's transport lines are: redler (pic. 1), cereal fall (pic. 2) or cochlea (pic. 3).

Collocation spots:

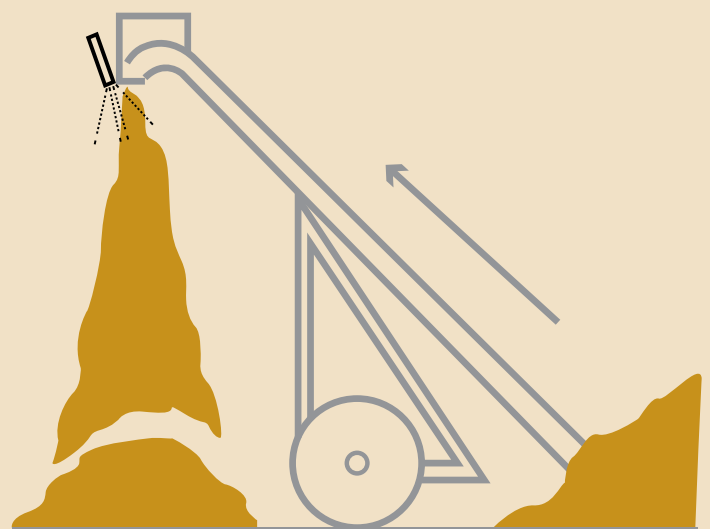
- 1) Place the nozzle on the redler's end limit, using the inspection window. It represents a strategic spot since it is possible to control the efficiency of the spraying system through the inspection window.
- 2) Place the nozzle on the ramp which transports the cereal grains from the redler to the bottom of the elevator tower.
- 3) Place the nozzle on the cochlea's end limit, where the cereal grain starts to fall down.



Picture 1



Picture 2



Picture 3

Before to start each treatment, you should always check spray head's flow rate, which can be affected by:

- ✓ Viscosity of the product and temperature;
- ✓ Cleaning of suction filter, spray head, injector body and pipes.

The effectiveness of the treatment is guaranteed by the correct nebulization of the product. It is also suggested to verify the actual consumption of product depending on the stored cereal grains, in case the pump is not equipped with a **digital flow meter** (optional).

CEREAL-SAN®: FAN NOZZLES KIT



The kit provides n° 2 spray heads, n° 2 fan nozzles for each kind (A - B - C) and n° 2 fixing supports.

DOSAGE TABLE CEREAL-SAN®

| SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP (*) | PRESSURE GAUGE Bar/Atmospheres | CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT: | | | | | | | PRODUCT FLOW RATE liter/hour SPRAY HEAD |
|---|--------------------------------------|---|--------------|--------------|---------------|---------------|---------------|---------------|--|
| | | 40 ml/ton | 60 ml/ton | 80 ml/ton | 100 ml/ton | 120 ml/ton | 140 ml/ton | 160 ml/ton | |
| A (Cod. 650017) | 1 | 74 | 50 | 37,5 | 30 | 25 | 21,5 | 18,7 | 3,00 |
| | 2 | 90 | 60 | 45 | 36 | 30 | 25,7 | 22,5 | 3,60 |
| | 3 | 120 | 80 | 60 | 48 | 40 | 34,2 | 30 | 4,80 |
| | 4 | 130 | 87,5 | 65,6 | 52,5 | 43,7 | 37,5 | 32,8 | 5,25 |
| | 5 | 142,5 | 95 | 71,2 | 57 | 47,5 | 40,7 | 35,6 | 5,70 |
| | 6 | 157,5 | 105 | 78,7 | 63 | 52,5 | 45 | 39,3 | 6,30 |
| B (Cod. 650033) | 2 | 177,3 | 115 | 86,2 | 69 | 57,5 | 49,2 | 43,1 | 6,90 |
| | 3 | 202,5 | 135 | 101,2 | 82 | 67,5 | 57,8 | 50,6 | 8,10 |
| | 4 | 240 | 160 | 120 | 96 | 80 | 68,5 | 60 | 9,60 |
| | 5 | 262,5 | 175 | 131,2 | 105 | 87,5 | 75 | 65,6 | 10,50 |
| | 6 | 285 | 190 | 142,5 | 118 | 95 | 81,4 | 71,2 | 11,40 |
| C (Cod. 650067) | 2 | 342,5 | 235 | 176,2 | 141 | 117,5 | 100,7 | 88,1 | 14,10 |
| | 3 | 435 | 290 | 217,5 | 174 | 145 | 124,2 | 108,7 | 17,40 |
| | 4 | 525 | 350 | 262,5 | 210 | 175 | 150 | 131,2 | 21,00 |
| | 5 | 575,5 | 385 | 288,7 | 231 | 192,5 | 165 | 144,3 | 23,10 |
| | 6 | 645 | 430 | 322,5 | 258 | 215 | 184,2 | 161,2 | 25,80 |

Recommended for low temperature treatments (<5°), with the organic range products (Pygrain® and Phytorob® Bio)
(Optional: System for maintaining the tank at a positive temperature)

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **40 ton/hr.**

Suggested dosage of product **120 ml/ton.**

The following information are obtained from the above table:

A (Cod. 650017) = nozzle to be installed on the spray head;

3 bar = manometer pressure;

4,80 = flow rate liter/hour of product or product mixture to be consumed (40 ton x 120 ml = 4,80 liter/hour).

(*) when the spray head is placed at heights higher than 5mt from the level of the pump, it is necessary to increase the pressure of about 1,0 bar each 10mt of height of the pump; if you have two working spray heads, the pressure needs to be increased by 2,0 bar. To better control the delivery of product it is possible to install a pressure gauge.

CEREAL-SAN®: CONE NOZZLES KIT

Spray head



Cone nozzles to be installed on spray head



The kit provides n° 2 spray heads, n° 2 cone nozzles for each kind (A Tx1-B Tx2-C Tx3) and n° 2 fixing supports.

DOSAGE TABLE CEREAL-SAN®

| SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP(*) | PRESSURE GAUGE Bar/Atmospheres | CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT | | | | | | | PRODUCT FLOW RATE liter/hour SPRAY HEAD |
|--|--------------------------------------|--|--------------|--------------|---------------|---------------|---------------|---------------|--|
| | | 40 ml/ton | 60 ml/ton | 80 ml/ton | 100 ml/ton | 120 ml/ton | 140 ml/ton | 160 ml/ton | |
| A (Cod. Tx1) | 1 | 75 | 50 | 37,5 | 30 | 25 | 21,4 | 18,7 | 3,00 |
| | 2 | 105 | 70 | 52,5 | 42 | 35 | 30 | 26,2 | 4,20 |
| | 3 | 123 | 82 | 61,5 | 49,2 | 41 | 65,1 | 30,7 | 4,92 |
| | 4 | 135 | 90 | 67,5 | 54 | 45 | 35,8 | 33,7 | 5,40 |
| | 5 | 147 | 98 | 73,5 | 58,8 | 49 | 42 | 36,7 | 5,88 |
| | 6 | 163,5 | 109 | 81,7 | 65,4 | 45,4 | 46,7 | 40,9 | 6,54 |
| B (Cod. Tx2) | 1 | 139,5 | 93 | 69,7 | 55,8 | 46,5 | 39,8 | 34,8 | 5,58 |
| | 2 | 183 | 122 | 91,5 | 73,2 | 61 | 52,3 | 45,7 | 7,32 |
| | 3 | 213 | 142 | 106,5 | 85,2 | 71 | 60,8 | 53,2 | 8,52 |
| | 4 | 237 | 158 | 118,5 | 94,8 | 79 | 67,7 | 61,1 | 9,48 |
| | 5 | 259,5 | 173 | 129,7 | 103,8 | 86,5 | 74,1 | 64,9 | 10,38 |
| | 6 | 282 | 188 | 141 | 112,8 | 94 | 80,5 | 70,5 | 11,28 |
| C (Cod. Tx3) | 1 | 196,5 | 131 | 98,2 | 78,6 | 65,5 | 56,1 | 49,1 | 7,86 |
| | 2 | 265,5 | 177 | 132,7 | 106,2 | 88,5 | 75,8 | 66,3 | 10,62 |
| | 3 | 321 | 214 | 160,5 | 128,4 | 107 | 91,7 | 80,2 | 12,84 |
| | 4 | 360 | 240 | 180 | 144 | 120 | 102,8 | 90 | 14,40 |
| | 5 | 393 | 262 | 196,5 | 157,2 | 131 | 112,3 | 98,2 | 15,72 |
| | 6 | 421,5 | 281 | 210,7 | 168,6 | 140,5 | 120,4 | 105,4 | 16,86 |

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **54 ton/hr.**

Suggested dosage of product **100 ml/ton.**

The following information are obtained from the above table:

A (Tx1) = nozzle to be installed on the spray head;

4 bar = manometer pressure;

5,40 = flow rate liter/hour of product or product mixture to be consumed (54 ton x 100 ml = 5,40 liter/hour).

(*) when the spray head is placed at heights higher than 5mt from the level of the pump, it is necessary to increase the pressure of about 1,0 bar each 10mt of height of the pump; if you have two working spray heads, the pressure needs to be increased by 2,0 bar. To better control the delivery of product it is possible to install a pressure gauge.

DOSAGE TABLE CEREAL-SAN® AIR-LIQUID

| SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP(*) | PRESSURE GAUGE Bar/Atmospheres | CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT | | | | | | | PRODUCT FLOW RATE liter/hour SPRAY HEAD |
|--|--------------------------------------|--|--------------|--------------|---------------|---------------|---------------|---------------|--|
| | | 40 ml/ton | 60 ml/ton | 80 ml/ton | 100 ml/ton | 120 ml/ton | 140 ml/ton | 160 ml/ton | |
| A (Cod. SU16) | 0,7 | 75 | 50 | 37,5 | 30 | 25 | 21,4 | 18,8 | 3,00 |
| | 1,5 | 160 | 106,7 | 80 | 64 | 53,3 | 45,7 | 40 | 6,40 |
| | 4 | 195 | 130 | 97,5 | 78 | 65 | 55,7 | 48,8 | 7,80 |
| B (Cod. SU26B) | 0,7 | - | - | - | - | - | - | - | - |
| | 1,5 | - | - | - | - | - | - | - | - |
| | 2 | 292,5 | 195 | 146,3 | 117 | 97,5 | 83,6 | 73,1 | 11,70 |
| | 3 | 462,5 | 308,3 | 231,3 | 185 | 154,2 | 132,1 | 115,6 | 18,50 |
| C (Cod. SU26) | 4 | 650 | 433,3 | 325 | 260 | 216,7 | 185,7 | 162,5 | 26,00 |
| | 0,7 | - | - | - | - | - | - | - | - |
| | 1,5 | - | - | - | - | - | - | - | - |
| | 2 | 472,5 | 315 | 236,3 | 189 | 157,5 | 135 | 118,1 | 18,90 |
| | 3 | 975 | 650 | 487,5 | 390 | 325 | 278,6 | 243,8 | 39,00 |
| 4 | 1300 | 866,7 | 650 | 520 | 433,3 | 371,4 | 325 | 52,00 | |

Example of suggested dosage:

Cereal capacity of the belt/redler/cochlea **80 ton/hr.**

Suggested dosage of product **80 ml/ton.**

The following information are obtained from the above table:

A (SU16) = nozzle to be installed on the spray head;

1,5 bar = manometer pressure;

6,40 = flow rate liter/hour of product or product mixture to be consumed (80 ton x 80 ml = 6,40 liter/hour).

The kit provides n° 2 spray head, n° 2 cone nozzles for each kind (D Tx8 - E Tx10 - F Tx12 - G Tx14) and n° 2 fixing supports.

DOSAGE TABLE POWER CEREAL-SAN® - READY TO USE PRODUCTS

| SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP (*) | PRESSURE GAUGE Bar/Atmospheres | CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT | | | | | | | PRODUCT FLOW RATE liter/hour SPRAY HEAD |
|---|--------------------------------------|--|--------------|--------------|---------------|----------------|---------------|---------------|--|
| | | 40 ml/ton | 60 ml/ton | 80 ml/ton | 100 ml/ton | 120 ml/q.le | 140 ml/ton | 160 ml/ton | |
| D (Cod. Tx8) | 1 | 559,5 | 373 | 279,7 | 223,8 | 186,5 | 159,8 | 139,9 | 22,38 |
| | 2 | 750 | 500 | 375 | 300 | 250 | 214,3 | 187,5 | 30,00 |
| | 3 | 876 | 584 | 438 | 350,4 | 292 | 250,3 | 219 | 35,04 |
| | 4 | 988,5 | 659 | 494,2 | 395,4 | 329,5 | 282,4 | 247,1 | 39,54 |
| | 5 | 1105,5 | 737 | 552,7 | 442,2 | 368,5 | 315,8 | 276,4 | 44,22 |
| E (Cod. Tx10) | 1 | 754,5 | 503 | 377,2 | 301,8 | 251,5 | 215,6 | 188,6 | 30,18 |
| | 2 | 942 | 628 | 471 | 376,8 | 314 | 269,1 | 235,5 | 37,68 |
| | 3 | 1101 | 734 | 550,5 | 440,4 | 367 | 314,6 | 275,2 | 44,04 |
| | 4 (*) | 1255,5 | 837 | 627,7 | 502,2 | 418,5 | 358,7 | 313,9 | 50,22 |
| | 5 (*) | 1393,5 | 929 | 696,7 | 557,4 | 464,5 | 398,1 | 348,4 | 55,74 |
| F (Cod. Tx12) | 1 | 933 | 622 | 466,5 | 373,2 | 311 | 266,6 | 233,2 | 37,32 |
| | 2 | 1222,5 | 815 | 611,2 | 489 | 407,5 | 349,3 | 305,6 | 48,90 |
| | 3 | 1435,5 | 957 | 717,7 | 574,2 | 478,5 | 410,1 | 358,8 | 57,42 |
| | 4 (*) | 1623 | 1082 | 811,5 | 649,2 | 541 | 463,7 | 405,7 | 64,92 |
| | 5 (*) | 1813,5 | 1209 | 906,7 | 725,4 | 604,5 | 518,1 | 453,3 | 72,54 |
| G (Cod. Tx14) | 1 | 1110 | 740 | 555 | 444 | 370 | 317,1 | 277,5 | 44,40 |
| | 2 | 1437 | 958 | 718,5 | 574,8 | 479 | 410,6 | 359,2 | 57,48 |
| | 3 | 1668 | 1112 | 838,4 | 667,2 | 556 | 476,6 | 417 | 66,72 |
| | 4 (*) | 1836,6 | 1224,4 | 918,3 | 734,7 | 612,2 | 524,7 | 459,2 | 73,47 |
| | 5 (*) | 2008,5 | 1339 | 1004,2 | 803,4 | 669,5 | 573,8 | 502,1 | 80,34 |

Example of suggested dosage:

Cereal capacity of the belt/redler / cochlea **300 ton/hr.**

Suggested dosage of product **100 ml/ton.**

The following information are obtained from the above table:

D (Tx8) = nozzle to be installed on the spray head;

2 bar = manometer pressure;

30,00 = flow rate liter/hour of product or product mixture to be consumed (300 ton x 100 ml = 30,00 liter/hour).

(*) To control pump and relate dosages.

DOSAGE TABLE POWER CEREAL-SAN® - EMULSIFIABLE CONCENTRATE PRODUCTS

| NOZZLES HOLE | PRESSURE GAUGE Bar/Atmospheres | CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF EMULSIFIABLE CONCENTRATE PRODUCT | PRODUCT FLOW RATE liter/hour SPRAY HEAD |
|------------------|--------------------------------------|--|--|
| D (Cod. Tx8) | 1 | 20 | 20,00 |
| | 2 | 30 | 30,00 |
| | 4 | 40 | 40,00 |
| E (Cod. Tx10) | 4 (*) | 50 | 50,00 |
| F (Cod. Tx12) | 3 | 60 | 60,00 |
| | 5 (*) | 70 | 70,00 |
| G (Cod. Tx14) | 5 (*) | 80 | 80,00 |

Example of suggested dosage:

Cereal capacity of the belt/redler/cochlea **30 ton/hr.**

The following information are obtained from the above table:

D (Tx8) = nozzle to be installed on the spray head;

2 bar = manometer pressure;

30,00 = flow rate liter/hour of product or product mixture to be consumed.



CEREAL-SAN[®], POWER CEREAL-SAN[®], AIR CEREAL-SAN[®]: DANFOSS NOZZLES KIT FOR MINOR DOSES



Spray head

+



DANFOSS NOZZLE

Danfoss nozzles to be installed on the spray head

The kit provides n° 1 spray heads, n° 2 chosen Danfoss nozzles and n° 2 fixing supports.

MICRO DOSAGE TABLE CEREAL SAN[®], POWER CEREAL SAN[®], AIR CEREAL SAN[®]

| NOZZLES HOLE | OPERATING PRESSURE 5 Bar (only) | CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT | | | | | | | PRODUCT FLOW RATE liter/hour SPRAY HEAD |
|--------------|------------------------------------|--|-----------|-----------|------------|------------|------------|------------|---|
| | | 40 ml/ton | 60 ml/ton | 80 ml/ton | 100 ml/ton | 120 ml/ton | 140 ml/ton | 160 ml/ton | |
| N° 1 Ø 0,20 | 5 | 10,5 | 7 | 5,2 | 4,2 | 3,5 | 3 | 2,6 | 0,42 |
| N° 2 Ø 0,50 | | 39 | 26 | 19,5 | 15,6 | 13 | 11,1 | 9,7 | 1,56 |
| N° 3 Ø 0,75 | | 60 | 40 | 30 | 24 | 20 | 17,1 | 15 | 2,40 |
| N° 4 Ø 1,00 | | 81 | 54 | 40,5 | 32,4 | 27 | 23,1 | 20,2 | 3,24 |
| N° 5 Ø 1,50 | | 120 | 80 | 60 | 48 | 56,7 | 34,3 | 30 | 4,80 |
| N° 6 Ø 1,75 | | 147 | 98 | 73,5 | 58,8 | 49 | 42 | 36,7 | 5,88 |

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **24 ton/hr.**

Suggested dosage of product **100 ml/ton.**

The following information are obtained from the above table:

N°3 (Ø 0,75) = nozzle to be installed on the spray head;

5 bar = manometer pressure;

2,40 = flow rate liter/hour of product or product mixture to be consumed (24 ton x 100 ml = 2,40 liter/hour).

DIGITAL FLOW METER



The new Digital Flow Meter connected to the Cereal-San®, represents an innovative step on the nebulizers' market. Professionals are now able to control the entire treatment, measuring in real-time the quantity of the supplied insecticidal product. The Flowmeter collects the data during the transfer of the insecticide solution from the pump to the nozzle in ml/hour. The new Flowmeter ensures to control at

any time the correct process of the dosing system, thanks to the two signals, acoustic and luminous, which warn the operator in case of over/under dosing, assuring a quick maintenance and avoiding irregular pest-control treatments. Once the treatment is completed, it is possible to transfer the USB memory card from the Flowmeter to any PC or Tablet, in order to view the recorded statistics.



EXTERNAL DATA STORAGE MEMORY

ACOUSTIC AND LUMINOUS SIGNALS



FLOW SENSOR

- ✓ FULL CONTROL OF THE TREATMENT IN REAL-TIME
- ✓ OPTIMIZATION OF TIME AND COSTS
- ✓ FILING OF DATA FOR REPORTS AND STATISTICS



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Ed.06.2018



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