

ALBUZ®

Leader in ceramic spray nozzles



OTHER
SPRAYINGS



LOW
CROPS

Spray nozzles

PRECISION - RESISTANCE - EFFICACY - LONGEVITY



ORCHARD
VINEYARD

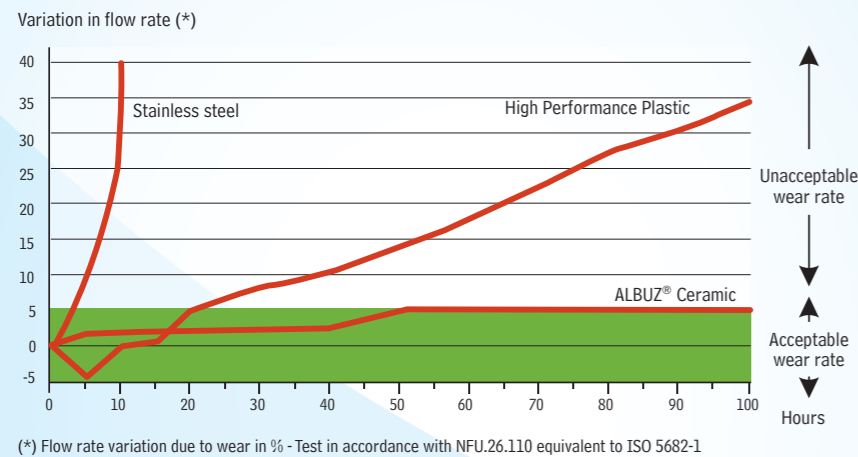
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ALBUZ

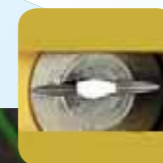
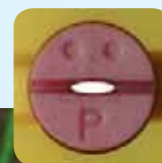


COMPARATIVE WEAR TEST



CERAMIC NOZZLE

STAINLESS STEEL NOZZLE



Before

After 50 h

Before

After 50 h

PRECISION WHICH LASTS

For more than 40 years we have been manufacturing and selling ceramic spraying nozzles for agricultural applications. Ceramic nozzles offer an excellent as well as an **exceptional resistance to wear, abrasion and chemicals.**

Manufacturing ceramic nozzles is a complex process. We have a long established expertise in that process and was awarded ISO 9001 Quality Certification.

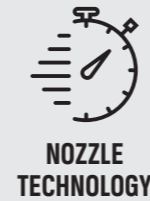
The manufacturing, from raw materials to assembly and quality control, is done in our plant in Normandy, France.

The outstanding properties of our nozzles make ALBUZ® the unrivalled leader in ceramic spraying nozzles for the agriculture industry. Millions of farmers across 45 countries trust ALBUZ®. Our nozzles are made of a specific pink ceramic grade which is **as hard as diamond.** Their wear resistance is far higher than that of materials such as stainless steel, brass, plastics.

We guarantee a high spray quality and excellent flow rate precision, which allows our nozzles to be certified in numerous countries.

The correct use of our nozzles will enable you to both optimise, and reduce the cost of your agrochemical treatments.

SUMMARY



NOZZLE TECHNOLOGY

- 04 Droplet size, spraying quality
- 05 Classification of droplet sizes
- Droplet size sprayed by nozzles according to the spraying pressure

- 06 Nozzle choice : speed of wind, spray coverage
- 07 Certification, how to read flow rate charts
- 08 The nozzle range



LOW CROPS

- 10 APE 80°-110° standard flat spray nozzle
- 11 ADE 110° drift reduction flat spray nozzle
- 12 AXI 80°-110° extended range flat spray nozzle
- 13 AXI-TWIN 120° double jets spray nozzle
- 14 CVI 110° low pressure Air induction flat spray nozzle
- 15 CVI-TWIN low pressure Air induction Twin flat spray nozzle
- 16 AVI 110° air induction flat spray nozzle
- 17 AVI-TWIN air induction twin flat spray nozzle
- 18 FAST-CAP AVI-TWIN, FAST-CAP AVI , FAST-CAP AVI-OC
- 19 ADI 110° drift reduction flat spray nozzle



ORCHARD VINEYARD

- 20 ATR 80° hollow cone nozzle
- 21 ATR 60° hollow cone nozzle
- 22 ATI 80° hollow cone nozzle
- 23 ATI 60° hollow cone nozzle
- 24 ATF 60°/80° full cone nozzle
- 25 TVI 80° air Induction hollow Cone spray nozzle
- 26 AVI 80° air induction flat spray nozzle
- 27 CVI 80° compact air induction flat spray nozzle
- 28 DISC & CORE ceramic hollow-cone nozzle
- 29 AMT metering Disc



OTHER SPRAYINGS

- 30 MSI wide angle flat spray nozzle
- 31 MVI air induction wide angle flat spray nozzle
- 32 ESI 6 jets fertilizer nozzle
- 33 FESI 6 jets compact cap fertilizer nozzle
- 34 OCI Off center nozzle
- 35 CVI-OC compact air induction off center spray nozzle
- 36 EXA 3 jets fertilizer nozzle
- 37 AVI-OC air injected off center nozzle



MISTING

- 38 NAF misting nozzle low and medium pressure
- 39 TAM misting nozzle full cone 1/8



VARIOUS COMPONENTS

- 40 Nozzle blister packaging, Nozzle cleaning brush, Filters protect, filter choice
- 41 Water sensitive paper, misting accessories



TECHNICAL INFORMATIONS

- 42 Sprayer calibration, conversion factors
- 43 Liquid fertilizers, Nozzle cross-reference chart
- 44 Nozzle choice application for smartphones

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SPRAYING QUALITY

The objective of an agrochemical treatment is to reach a biological efficiency to satisfy the needs of the farmers. Several factors are key to the result of each application:

- **The product used, and its performance;**
- **Criteria influencing the application timing:**
 - > growth stage,
 - > pesticides,
 - > diseases,

- > general status of pesticide, disease, and weed activity,
- > climate,
- > spray quality.

The quality of the spraying application is the top priority of the engineering know-how and expertise of ALBUZ®. The nozzle is a key to the performance of the sprayer. It also influences the biological efficiency of the sprayed product.

Nozzles are characterized by:

- > Flow;
- > Angle;
- > Spray distribution quality (on the boom);
- > Droplet spectrum;
- > Distribution on target;
- > Drift classification.

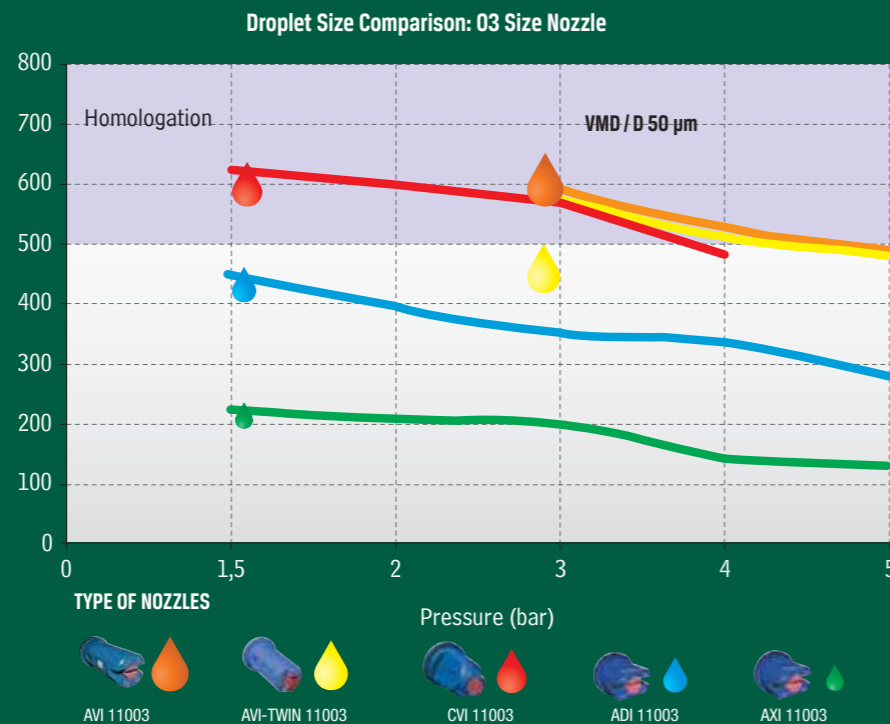
ALBUZ® takes into account all those parameters in order to offer a product range that satisfies all the needs of the farming industry. ALBUZ® complies with all environmental regulations. We also anticipate future spraying innovations, by constant investment in R&D.

DROPLET SIZE

The «spray quality» of a nozzle is expressed in terms of its average droplet size in relation to the volume sprayed (VMD). This gives an indication of the risk of drift and of the nozzle to select for a particular application.

Examples:

- For post emergence contact fungicides, an AXI nozzle will be selected because of its VMD of 150 µm and its large number of droplets.
- For an anti-drift nozzle, the AVI or CVI, with a VMD of 450 µm might be chosen as these large droplets reduce the risk of drift.



CLASSIFICATION OF DROPLET SIZES

The nozzle «spray quality» is divided into 6 categories, of which 4 main ones:

- **Fine:** (e.g. AXI) nozzles which produce fine droplets are more often recommended for post-emergence treatments where excellent coverage is necessary.
- **Medium:** (e.g. ADI) nozzles which produce medium droplets are less prone to produce drift, depending on the pressure used.
- **Coarse:** (e.g. AVI/CVI) nozzles which produce big droplets provide a low risk of drift.
- **Very Coarse:** (e.g. AVI) specific nozzles which produce very big droplets.

DROPLET SIZE SPRAYED BY NOZZLES ACCORDING TO THE SPRAYING PRESSURE

| bar | ATR 80° | | | | | | | | | |
|-----|---------|-------|-------|--------|--------|-----|------|-------|-------|------|
| | WHITE | LILAC | BROWN | YELLOW | ORANGE | RED | GREY | GREEN | BLACK | BLUE |
| 5 | VF | VF | VF | VF | VF | F | F | F | F | F |
| 7 | VF | VF | VF | VF | VF | F | F | F | F | F |
| 10 | VF | VF | VF | VF | VF | F | F | F | F | F |
| 15 | VF | VF | VF | VF | VF | VF | F | F | F | F |
| 20 | VF | VF | VF | VF | VF | VF | VF | VF | VF | VF |

| bar | ATR 60° | | | | | | | | |
|-----|---------|-------|--------|--------|-----|------|-------|-------|------|
| | LILAC | BROWN | YELLOW | ORANGE | RED | GREY | GREEN | BLACK | BLUE |
| 5 | VF | VF | VF | F | F | F | F | F | F |
| 7 | VF | VF | VF | VF | F | F | F | F | F |
| 10 | VF | VF | VF | VF | F | F | F | F | F |
| 15 | VF | VF | VF | VF | VF | VF | VF | VF | VF |
| 20 | VF | VF | VF | VF | VF | VF | VF | VF | VF |

| bar | ATI 80° | | | | | | | | | |
|-----|---------------|--------------|--------------|--------------|--------------|---------------|------------|------------------|-----------|-------------|
| | LILAC 80-0050 | PINK 80-0075 | ORANGE 80-01 | GREEN 80-015 | YELLOW 80-02 | PURPLE 80-025 | BLUE 80-03 | BROWN RED 80-035 | RED 80-04 | BROWN 80-05 |
| 5 | VF | VF | VF | VF | VF | F | F | F | F | F |
| 7 | VF | VF | VF | VF | VF | F | F | F | F | F |
| 10 | VF | VF | VF | VF | VF | F | F | F | F | F |
| 15 | VF | VF | VF | VF | VF | VF | F | F | F | F |
| 20 | VF | VF | VF | VF | VF | VF | VF | VF | VF | VF |

| bar | ATI 60° | | | | | | | |
|-----|--------------|--------------|--------------|--------------|---------------|------------|-----------|-------------|
| | PINK 60-0075 | ORANGE 60-01 | GREEN 60-015 | YELLOW 60-02 | PURPLE 60-025 | BLUE 60-03 | RED 60-04 | BROWN 60-05 |
| 5 | VF | VF | VF | VF | F | F | F | F |
| 7 | VF | VF | VF | VF | F | F | F | F |
| 10 | VF | VF | VF | VF | VF | F | F | F |
| 15 | VF | VF | VF | VF | VF | F | F | F |
| 20 | VF | VF | VF | VF | VF | VF | VF | VF |

| bar | TVI 80° | | | | | | | |
|-----|---------------|--------------|--------------|--------------|--------------|---------------|------------|-----------|
| | LILAC 80-0050 | PINK 80-0075 | ORANGE 80-01 | GREEN 80-015 | YELLOW 80-02 | PURPLE 80-025 | BLUE 80-03 | RED 80-04 |
| 5 | UC | UC | UC | UC | UC | UC | UC | UC |
| 7 | UC | VC | UC | UC | UC | UC | UC | UC |
| 10 | XC | VC | XC | XC | XC | XC | UC | UC |
| 15 | VC | C | VC | VC | VC | XC | UC | UC |

| bar | ATF 80° | | | | |
|-----|--------------|--------------|---------------|------------|-----------|
| | GREEN 80-015 | YELLOW 80-02 | PURPLE 80-025 | BLUE 80-03 | RED 80-04 |
| 3 | F | F | F | F | F |
| 5 | F | F | F | F | F |
| 10 | VF | VF | F | F | F |
| 15 | VF | VF | VF | VF | VF |

| bar | MVI | | | |
|-----|--------|---------|----------|---------------|
| | RED 04 | GREY 06 | WHITE 08 | LIGHT BLUE 10 |
| 1,5 | UC | UC | UC | UC |
| 2 | UC | UC | UC | UC |
| 3 | UC | UC | UC | UC |

| bar | DISC & CORE | | | | | | |
|-----|-------------|----------|----------|----------|----------|----------|----------|
| | AD1/AC13 | AD2/AC25 | AD2/AC46 | AD3/AC13 | AD3/AC25 | AD4/AC45 | AD5/AC45 |
| 1,5 | VF | VF | VF | VF | VF | F | F |
| 2 | VF | VF | VF | VF | VF | VF | VF |
| 3 | VF | VF | VF | VF | VF | VF | VF |

- VF Very fine (< 159 µm) - F Fine (> 159 / < 231 µm) - M Medium (> 231 / < 326 µm) - C Coarse (> 326 / < 386 µm)
- VC Very coarse (> 386 µm / < 484 µm) - XC Extremely coarse (> 484 / < 553 µm) - UC Ultra coarse (> 553 µm)

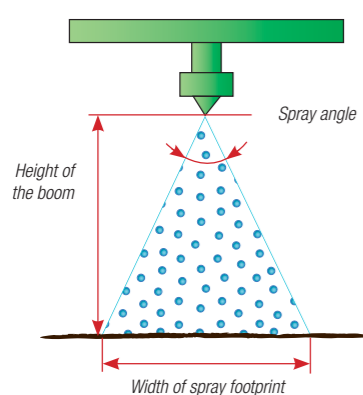
Values measured on the VMD or D50 on IRSTEA Dantec pda.

NOZZLE CHOICE : SPEED OF WIND

| Anti drift with air injection e.g. : AVI | with compression chamber e.g. : adi | Wide range of pressures e.g. : AXI | Normals e.g. : APE | Wind speed in mph (Takes into account the speed of the tractor in function of the direction of the wind) | Looking around us, one observes (Beaufort scale) |
|--|-------------------------------------|------------------------------------|--------------------|--|--|
| | | | | 0 | Nothing moves |
| | | | | 0 - 1 | Smoke rises straight up |
| | | | | 1 - 5 | Smoke shows the direction of wind |
| | | | | 6 - 11 | We feel the wind on our face and hear the rustle of leaves |
| | | | | 12 - 15 | Leaves and twigs constantly in movement, flags flutter |
| | | | | 16 - 19 | |
| | | | | 20 - 28 | Papers, dust and sand blow about |
| | | | | 29 - 38 | Pine branches sway |
| | | | | 39 - 49 | Electric wires whistle |
| | | | | 50 - 61 | It is difficult to walk against the wind |

SPRAY COVERAGE

The chart below indicates the theoretical overlap of spray patterns. The theoretical width of nozzle spray is determined by the spray angle and by the nozzle height above the target. Considering the effect of earth gravity, the higher the nozzle above the target, the narrower the spray footprint of each nozzle, in relation to the theoretical footprint on the table below.



HEIGHT OF BOOMS



| | Nozzle spacing 0,50 m | |
|------------------|-----------------------|--------|
| | 80° | 110° |
| Minimum height | 0,80 m | 0,40 m |
| Double overlap A | 0,60 m | 0,35 m |
| Triple overlap B | 0,90 m | 0,70 m |
| Maximum height | 1,20 m | 0,80 m |

| Spray angle (°) | Height of spraying in relation to the plant or to the seedbed | | | | | | | | | | | |
|-----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 70 | 80 | 90 |
| 15 | 5 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 16 | 18 | 21 | 24 |
| 20 | 7 | 9 | 11 | 12 | 14 | 16 | 18 | 19 | 21 | 25 | 28 | 32 |
| 25 | 9 | 11 | 13 | 16 | 18 | 20 | 22 | 24 | 27 | 31 | 35 | 40 |
| 30 | 11 | 13 | 16 | 19 | 21 | 24 | 27 | 29 | 32 | 38 | 43 | 48 |
| 35 | 13 | 16 | 19 | 22 | 25 | 28 | 32 | 35 | 38 | 44 | 50 | 57 |
| 40 | 15 | 18 | 22 | 25 | 29 | 33 | 36 | 40 | 44 | 51 | 58 | 66 |
| 45 | 17 | 21 | 25 | 29 | 33 | 37 | 41 | 46 | 50 | 58 | 66 | 75 |
| 50 | 19 | 23 | 28 | 33 | 37 | 42 | 47 | 51 | 56 | 65 | 75 | 84 |
| 55 | 21 | 26 | 31 | 36 | 42 | 47 | 52 | 57 | 62 | 73 | 83 | 94 |
| 60 | 23 | 29 | 35 | 40 | 46 | 52 | 58 | 64 | 69 | 81 | 92 | 104 |
| 65 | 25 | 32 | 38 | 45 | 51 | 57 | 64 | 70 | 76 | 89 | 102 | 115 |
| 70 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 | 98 | 112 | 126 |
| 75 | 31 | 38 | 46 | 54 | 61 | 69 | 77 | 84 | 92 | 107 | 123 | 138 |
| 80 | 34 | 42 | 50 | 59 | 67 | 76 | 84 | 92 | 101 | 117 | 134 | 151 |
| 85 | 37 | 46 | 55 | 64 | 73 | 82 | 92 | 101 | 110 | 128 | 147 | 165 |
| 90 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 140 | 160 | 180 |
| 95 | 44 | 55 | 65 | 76 | 87 | 98 | 109 | 120 | 131 | 153 | 175 | 196 |
| 100 | 48 | 60 | 72 | 83 | 95 | 107 | 119 | 131 | 143 | 167 | 191 | 215 |
| 110 | 57 | 71 | 86 | 100 | 114 | 129 | 143 | 157 | 171 | 200 | 229 | |
| 120 | 69 | 87 | 104 | 121 | 139 | 156 | 173 | 191 | 208 | 242 | | |
| 130 | 86 | 107 | 129 | 150 | 172 | 193 | 214 | 236 | | | | |
| 140 | 110 | 137 | 165 | 192 | 220 | 247 | | | | | | |
| 150 | 149 | 187 | 224 | | | | | | | | | |
| 160 | 227 | | | | | | | | | | | |

10 No overlap - 10 double overlap - 10 triple overlap
10 quadruple overlap - 10 quintuple overlap



CERTIFICATION

SOME EUROPEAN COUNTRIES HAVE SPRAYING REGULATIONS WHICH REQUIRE SENSITIVE AREAS TO BE PROTECTED AND UNTREATED «BUFFER ZONES», IN ORDER TO REDUCE THE RISKS FROM SPRAY DRIFT. THE DRIFT REFERS TO FINE DROPLETS WHICH DO NOT REACH THE TARGET. THE FINEST DROPLETS [SMALLER THAN 100 µm] ARE THE MOST SUSCEPTIBLE TO DRIFT FROM THE EFFECT OF THE WIND OR OTHER INFLUENCES.

Drift can have hazardous consequences on:

- Water contamination;
- Human and animal health;
- Nearby vegetation.

ALBUZ® nozzles are certified in France, the United Kingdom, Germany, Belgium and the Netherlands. Please visit our web site to find out the list of our nozzles per country.

ISO and CEN standards specify tolerances on nozzle flow and on spray patterning, to help achieve a precise agrochemical application.

The flow of nozzles (low crops) may vary by +/- 10% maximum of the flow values indicated in the table, but they should vary by only +/-5% of the average value.

In relation to the patterning, this must give a coefficient of variation of less than 7% at a nozzle height specified by the manufacturer, and less than 9% for nozzle above and below that height.

HOW TO READ FLOW RATE CHARTS

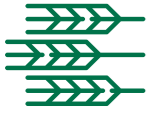
The flow tables are set out as follows: read the sprayer speed to be used, and follow the column down to the desired application rate in liters per hectare. Then follow this row to the left, and you will find the required spraying pressure and the nozzle to be used.

| Colour | ISO code | Mesh | (bar) | l/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | |
|--------|------------|------|-------|------|--|--------|--------|--------|---------|---------|---------|---------|---------|----|
| | | | | | 6 km/h | 7 km/h | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | |
| GREEN | CVI 110015 | 80 | 80 | 1,5 | 0,42 | 84 | 72 | 63 | 56 | 50 | 42 | 36 | 32 | 28 |
| | | | | 2 | 0,49 | 98 | 84 | 74 | 65 | 59 | 49 | 42 | 37 | 33 |
| | | | | 2,5 | 0,54 | 108 | 93 | 81 | 72 | 65 | 54 | 46 | 41 | 36 |
| YELLOW | CVI 11002 | 80 | 80 | 1,5 | 0,57 | 114 | 98 | 86 | 76 | 68 | 57 | 49 | 43 | 38 |
| | | | | 2 | 0,66 | 132 | 113 | 99 | 88 | 79 | 66 | 57 | 50 | 44 |
| | | | | 2,5 | 0,73 | 146 | 125 | 110 | 97 | 88 | 73 | 63 | 55 | 49 |
| PURPLE | CVI 110025 | 50 | 50 | 1,5 | 0,71 | 142 | 122 | 107 | 95 | 85 | 71 | 61 | 53 | 47 |
| | | | | 2 | 0,82 | 164 | 141 | 123 | 109 | 98 | 82 | 70 | 62 | 55 |
| | | | | 2,5 | 0,91 | 182 | 156 | 137 | 121 | 109 | 91 | 78 | 68 | 61 |
| | | | | 3 | 1,00 | 200 | 171 | 150 | 133 | 120 | 100 | 86 | 75 | 67 |

Nozzle to be selected

The Albus application (see last page) also helps you selecting your nozzle.





SELECTING YOUR NOZZLES

the nozzle range



| TYPE OF NOZZLES | APE | ADE | AXI 80°/110° | FAXI | ADI 110° | CVI 110° | CVI-TWIN 110° | AVI 110° | AVI-TWIN 110° |
|-------------------------------|--------------|----------------------------|-----------------------------------|----------------------------------|------------------------------------|-----------------------------------|--|---|---------------------------------|
| | | Standard flat spray nozzle | Drift reduction flat spray nozzle | Extended range flat spray nozzle | Flat spray nozzle with compact cap | Drift reduction flat spray nozzle | Low pressure Air induction flat spray nozzle | Low pressure Air induction Twin flat spray nozzle | Air induction flat spray nozzle |
| SPRAY PATTERNATION | | | | | | | | | |
| DROPLETS SIZE CHARACTERISTICS | | | | | | | | | |
| DRIFT HAZARDS | Medium | Low | Medium | Medium | Low | Very Low | Very Low | Very Low | Very Low |
| PRESSURE RANGE | 2 - 3 bar | 2 - 3 bar | 1,5 - 2 bar | 1,5 - 2 bar | 2 - 3 bar | 1,5 - 3 bar | 1,5 - 3 bar | 3 - 5 bar | 3 - 5 bar |
| | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES |
| FUNGICIDES | Good | Very Good | Good | Good | Very Good | Very Good | Very Good | Very Good | Very Good |
| | INSECTICIDES | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good |
| LIQUID FERTILIZER | Good | Very Good | Good | Good | Very Good | Very Good | Very Good | Very Good | Very Good |

*for a low pressure



ORCHARD, VINEYARD



OTHER SPRAYINGS

| TYPE OF NOZZLES | ATR 60° | ATI 60° | ATF 80° | TVI 80° | AVI 80° | CVI 80° |
|-------------------------------|--------------|--------------------|--------------------|------------------|--|---------------------------------|
| | | Hollow cone nozzle | Hollow cone nozzle | Full cone nozzle | Air Induction Hollow Cone spray nozzle | Air induction flat spray nozzle |
| SPRAY PATTERNATION | | | | | | |
| DROPLETS SIZE CHARACTERISTICS | | | | | | |
| DRIFT HAZARDS | High | High | High | Very Low | Very Low | Very Low |
| PRESSURE RANGE | 5 - 20 bar | 5 - 20 bar | 3 - 15 bar | 10 - 16 bar | 10 - 20 bar | 10 - 20 bar |
| | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES |
| FUNGICIDES | Very Good | Very Good | Good | Very Good | Very Good | Very Good |
| | INSECTICIDES | Good | Very Good | Very Good | Very Good | Very Good |
| LIQUID FERTILIZER | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good |

| TYPE OF NOZZLES | MSI | MVI | EXA | FESI | ESI | OCI | CVI-OC | AVI-OC |
|-------------------------------|--------------|------------------------------|--|--------------------------|--------------------------------------|--------------------------|-------------------|---|
| | | Wide Angle Flat spray nozzle | Air induction Wide Angle Flat spray nozzle | 3 jets Fertilizer nozzle | 6 Jets compact cap Fertilizer nozzle | 6 jets Fertilizer nozzle | Off center nozzle | Compact Air induction off center spray nozzle |
| SPRAY PATTERNATION | | | | | | | | |
| DROPLETS SIZE CHARACTERISTICS | | | | | | | | |
| DRIFT HAZARDS | Medium | Very Low | Very Low | Very Low | Very Low | Medium | Very Low | Very Low |
| PRESSURE RANGE | 0,5 - 4 bar | 1,5 - 4 bar | 1 - 3 bar | 1,2 - 4 bar | 1,2 - 4 bar | 2 - 4 bar | 2 - 4 bar | 3 - 5 bar |
| | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES | HERBICIDES |
| FUNGICIDES | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good |
| | INSECTICIDES | Good | Good | Good | Good | Very Good | Good | Good |
| LIQUID FERTILIZER | Good | Good | Very Good | Very Good | Very Good | Good | Very Good | Very Good |

EUROPE

Specific body dimensions: 11 mm



European Colour code

APE 80°/110°

Standard flat spray nozzle

catalog 2019

ALBUZ

LOW CROPS



MAIN CHARACTERISTICS

- › Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- › Flat fan pattern angle 80° or 110°: spray overlap required to ensure uniform distribution on the ground.
- › Designed for all types of nozzle holders using caps which accept nozzles measuring 11 mm across flats.

SPECIFIC CHARACTERISTICS

- › Operates from 2 bar.
- › Flow rate characteristics, body size and color code meet ALBUZ® standards.
- › Produces medium-sized droplets.
- › **Minimum height boom recommended: 50/60 cm (110°) and 80/90 cm (80°).**
- › **Recommended pressure: 2 bar.**

FLOW RATE CHART

| Colour | Pressure (bar) | Orifice | l/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | |
|-----------|----------------|---------|-------|--|---------|---------|---------|---------|---------|---------|---------|
| | | | | 8 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h |
| YELLOW | 2 | F | 0,49 | 74 | 59 | 49 | 42 | 37 | 33 | 30 | 27 |
| | 2,5 | F | 0,55 | 83 | 66 | 55 | 47 | 42 | 37 | 33 | 31 |
| | 3 | F | 0,61 | 91 | 73 | 61 | 52 | 45 | 40 | 36 | 33 |
| | 3,5 | F | 0,65 | 98 | 79 | 65 | 56 | 49 | 44 | 39 | 36 |
| 4 | VF | 0,70 | 105 | 84 | 70 | 60 | 53 | 47 | 42 | 38 | |
| ORANGE | 2 | F | 0,69 | 104 | 83 | 69 | 59 | 52 | 46 | 42 | 38 |
| | 2,5 | F | 0,77 | 116 | 93 | 77 | 66 | 58 | 52 | 46 | 43 |
| | 3 | F | 0,85 | 127 | 102 | 85 | 73 | 64 | 57 | 51 | 46 |
| | 3,5 | F | 0,92 | 138 | 110 | 92 | 79 | 69 | 61 | 55 | 50 |
| RED | 2 | F | 0,98 | 147 | 118 | 98 | 84 | 74 | 65 | 59 | 53 |
| | 2,5 | F | 0,99 | 148 | 119 | 99 | 85 | 74 | 66 | 59 | 54 |
| | 2,5 | F | 1,11 | 166 | 133 | 111 | 95 | 83 | 74 | 66 | 60 |
| | 3 | F | 1,21 | 182 | 145 | 121 | 104 | 91 | 81 | 73 | 66 |
| GREEN | 3,5 | F | 1,31 | 196 | 157 | 131 | 112 | 98 | 87 | 79 | 71 |
| | 4 | F | 1,40 | 210 | 168 | 140 | 120 | 105 | 93 | 84 | 76 |
| | 2 | F | 1,40 | 210 | 168 | 140 | 120 | 105 | 93 | 84 | 76 |
| | 2,5 | F | 1,57 | 235 | 188 | 157 | 134 | 117 | 104 | 94 | 85 |
| TURQUOISE | 3 | F | 1,71 | 257 | 206 | 171 | 147 | 129 | 114 | 103 | 93 |
| | 3,5 | F | 1,85 | 278 | 222 | 185 | 159 | 139 | 123 | 111 | 101 |
| | 4 | F | 1,98 | 297 | 238 | 198 | 170 | 149 | 132 | 119 | 107 |
| | 2 | M | 1,69 | 253 | 203 | 169 | 145 | 127 | 113 | 101 | 92 |
| BLUE | 2,5 | F | 1,89 | 283 | 227 | 189 | 162 | 142 | 126 | 113 | 103 |
| | 3 | F | 2,07 | 310 | 248 | 207 | 177 | 155 | 138 | 124 | 113 |
| | 3,5 | F | 2,24 | 335 | 268 | 224 | 192 | 168 | 149 | 134 | 122 |
| | 4 | F | 2,39 | 359 | 287 | 239 | 205 | 179 | 159 | 143 | 130 |
| GREY | 2 | M | 1,98 | 297 | 238 | 198 | 170 | 148 | 132 | 119 | 108 |
| | 2,5 | M | 2,21 | 332 | 266 | 221 | 190 | 166 | 148 | 133 | 121 |
| | 3 | F | 2,42 | 364 | 291 | 242 | 208 | 182 | 162 | 145 | 132 |
| | 3,5 | F | 2,62 | 394 | 314 | 262 | 224 | 196 | 175 | 157 | 142 |
| BLACK | 4 | F | 2,80 | 420 | 336 | 280 | 240 | 210 | 187 | 168 | 152 |
| | 2 | C | 2,79 | 418 | 334 | 279 | 239 | 209 | 186 | 167 | 152 |
| | 2,5 | M | 3,11 | 467 | 374 | 311 | 267 | 234 | 208 | 187 | 170 |
| | 3 | M | 3,41 | 512 | 409 | 341 | 292 | 256 | 227 | 205 | 186 |
| IVORY | 3,5 | M | 3,69 | 553 | 442 | 369 | 316 | 276 | 246 | 221 | 201 |
| | 4 | F | 3,94 | 591 | 473 | 394 | 338 | 296 | 263 | 236 | 215 |
| | 2 | C | 3,95 | 592 | 473 | 395 | 338 | 296 | 263 | 237 | 215 |
| | 2,5 | C | 4,41 | 662 | 529 | 441 | 378 | 331 | 294 | 265 | 241 |
| WHITE | 3 | C | 4,83 | 725 | 580 | 483 | 414 | 362 | 322 | 290 | 263 |
| | 3,5 | M | 5,22 | 783 | 626 | 522 | 447 | 391 | 348 | 313 | 285 |
| | 4 | M | 5,58 | 837 | 670 | 558 | 478 | 419 | 372 | 335 | 304 |
| | 2 | VC | 5,61 | 842 | 674 | 561 | 481 | 421 | 374 | 337 | 307 |
| GREEN | 2,5 | C | 6,28 | 942 | 753 | 628 | 538 | 471 | 418 | 377 | 343 |
| | 3 | C | 6,88 | 1031 | 825 | 688 | 589 | 516 | 458 | 413 | 375 |
| | 3,5 | C | 7,43 | 1114 | 891 | 743 | 637 | 557 | 495 | 446 | 405 |
| | 4 | C | 7,94 | 1191 | 953 | 794 | 681 | 596 | 529 | 476 | 433 |
| TURQUOISE | 2 | VC | 7,82 | 1188 | 950 | 792 | 679 | 594 | 528 | 475 | 432 |
| | 2,5 | VC | 8,85 | 1328 | 1063 | 885 | 759 | 664 | 590 | 531 | 483 |
| | 3 | C | 9,70 | 1455 | 1164 | 970 | 831 | 727 | 647 | 582 | 529 |
| | 3,5 | C | 10,48 | 1571 | 1257 | 1048 | 898 | 786 | 698 | 629 | 572 |
| 4 | C | 11,20 | 1680 | 1344 | 1120 | 960 | 840 | 747 | 672 | 611 | |

APPLICATIONS

All types of treatments (herbicides, fungicides, insecticides...).



2-4 bar



80° / 110°



LOW CROPS

ALBUZ

catalog 2019

ADE 110°

Drift reduction flat spray nozzle

Specific body dimensions: 11 mm



European Colour code

EUROPE

SPECIFIC CHARACTERISTICS

- › Operates from 2 bar.
- › Flow rate characteristics, body size and color code meet ALBUZ® standards.
- › Drift reduction nozzle reduces by 50% the number of small droplets (<100µm).
- › Easy to dismantle and clean.
- › **Minimum height boom recommended: 50/60 cm.**
- › **Recommended pressure: 2 bar.**



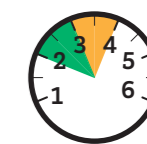
Easy to dismantle and clean

FLOW RATE CHART

| Colour | Mesh | Pressure (bar) | Orifice | l/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | |
|-----------|------|----------------|---------|------|--|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | 8 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h | 24 km/h |
| BROWN | 100 | 2 | M | 0,35 | 53 | 42 | 35 | 30 | 26 | 23 | 21 | 19 | 18 |
| | | 2,5 | M | 0,39 | 59 | 47 | 39 | 33 | 29 | 26 | 23 | 21 | 20 |
| | | 3 | M | 0,43 | 65 | 52 | 43 | 37 | 32 | 29 | 26 | 23 | 22 |
| | | 3,5 | F | 0,47 | 71 | 56 | 47 | 40 | 35 | 31 | 28 | 25 | 23 |
| YELLOW | 100 | 4 | F | 0,50 | 75 | 60 | 50 | 43 | 38 | 33 | 30 | 27 | 25 |
| | | 2 | M | 0,49 | 74 | 59 | 49 | 42 | 37 | 33 | 30 | 27 | 25 |
| | | 2,5 | M | 0,55 | 83 | 66 | 55 | 47 | 42 | 37 | 34 | 31 | 28 |
| | | 3 | M | 0,61 | 91 | 73 | 61 | 52 | 45 | 41 | 37 | 33 | 31 |
| ORANGE | 50 | 3,5 | M | 0,65 | 98 | 79 | 65 | 56 | 49 | 44 | 40 | 36 | 33 |
| | | 4 | M | 0,70 | 105 | 84 | 70 | 60 | 53 | 47 | 42 | 38 | 35 |
| | | 2 | M | 0,69 | 104 | 83 | 69 | 59 | 52 | 46 | 41 | 38 | 35 |
| | | 2,5 | M | 0,77 | 116 | 93 | 77 | 66 | 58 | 52 | 47 | 43 | 39 |
| RED | 50 | 3 | M | 0,85 | 127 | 102 | 85 | 73 | 64 | 57 | 51 | 46 | 43 |
| | | 3,5 | M | 0,92 | 138 | 110 | 92 | 79 | 69 | 61 | 55 | 50 | 46 |
| | | 4 | M | 0,98 | 147 | 118 | 98 | 84 | 74 | 65 | 59 | 53 | 49 |
| | | 2 | C | 0,99 | 148 | 119 | 99 | 85 | 74 | 66 | 59 | 54 | 50 |
| GREEN | 50 | 2,5 | M | 1,11 | 166 | 133 | 111 | 95 | 83 | 73 | 66 | 60 | 55 |
| | | 3 | M | 1,21 | 182 | 145 | 121 | 104 | 91 | 81 | 73 | 66 | 61 |
| | | 3,5 | M | 1,31 | 196 | 157 | 131 | 112 | 98 | 87 | 79 | 71 | 66 |
| | | 4 | M | 1,40 | 210 | 168 | 140 | 120 | 105 | 93 | 84 | 76 | 70 |
| TURQUOISE | 50 | 2 | VC | 1,40 | 210 | 168 | 140 | 120 | 105 | 93 | 84 | 76 | 70 |
| | | 2,5 | C | 1,57 | 235 | 188 | 157 | 134 | 117 | 104 | 94 | 85 | 78 |
| | | 3 | C | 1,71 | 257 | 206 | 171 | 147 | 129 | 114 | 103 | 93 | 86 |
| | | 3,5 | C | 1,85 | 278 | 222 | 185 | 159 | 139 | 123 | 111 | 101 | 93 |
| GREY | 50 | 4 | C | 1,98 | 297 | 238 | 198 | 170 | 149 | 131 | 118 | 107 | 99 |

APPLICATIONS

All types of treatments (herbicides, fungicides, insecticides...).



2-4 bar



110°





AXI 80°/110° Extended range flat spray nozzle

LOW CROPS
ALBUZ catalog 2019

MAIN CHARACTERISTICS

- › Designed to be used over a wide range of pressures (from 1.5 to 3 bar).
- › Recommended for use at low pressure (around 1.5 bar) for low volume applications and spray drift reduction (bigger droplets).
- › May be used at higher pressure (above 2.5 bar) to improve target coverage (finer droplets).
- › Excellent for sprayers equipped with automated flow rate controllers (pressure changes do not affect the spray distribution).

APPLICATIONS

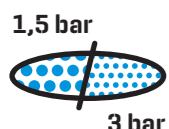
All types of treatments (herbicides, fungicides, insecticides...).



1,5-3 bar



80° / 110°



1,5 bar

3 bar

SPECIFIC CHARACTERISTICS

- › Ceramic insert in a high resistance plastic body.
- › Adapted to any brand of sprayer.
- › Flow rate characteristics, body size and colour code meet international ISO standards.
- › Flat fan pattern, droplet size vary according to pressure.
- › **Minimum boom height recommended: 50/60 cm (110°) and 80/90 cm (80°).**
- › **Recommended pressure: 1.5 to 2 bar.**

AVAILABLE IN FAST CAP (Ref. : FAXI)

FLOW RATE CHART

| Colour | ISO Code | Mesh | Pressure (bar) | 80° | 110° | l/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | |
|--------|------------------|------|----------------|-----|------|------|--|--------|---------|---------|---------|---------|---------|---------|---------|--|
| | | | | | | | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 22 km/h | 24 km/h | |
| GREEN | AXI 1100 15 | 100 | 1,5 | F | F | 0,42 | 63 | 56 | 50 | 42 | 36 | 32 | 28 | 23 | 21 | |
| | | | 2 | F | F | 0,49 | 74 | 65 | 59 | 49 | 42 | 37 | 33 | 27 | 25 | |
| | | | 2,5 | F | F | 0,54 | 81 | 72 | 65 | 54 | 46 | 41 | 36 | 30 | 28 | |
| | | | 3 | F | F | 0,60 | 90 | 80 | 72 | 60 | 51 | 45 | 40 | 33 | 30 | |
| | | | 3,5 | F | F | 0,64 | 96 | 85 | 77 | 64 | 55 | 48 | 43 | 35 | 33 | |
| YELLOW | AXI 11002 8002 | 100 | 1,5 | F | F | 0,56 | 84 | 75 | 67 | 56 | 48 | 42 | 37 | 31 | 29 | |
| | | | 2 | F | F | 0,66 | 99 | 88 | 79 | 66 | 57 | 50 | 44 | 35 | 33 | |
| | | | 2,5 | F | F | 0,73 | 110 | 97 | 88 | 73 | 63 | 55 | 49 | 40 | 37 | |
| | | | 3 | F | F | 0,80 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 44 | 40 | |
| | | | 3,5 | F | F | 0,86 | 129 | 115 | 103 | 86 | 74 | 65 | 57 | 47 | 43 | |
| PURPLE | AXI 110025 80025 | 50 | 1,5 | M | M | 0,71 | 107 | 95 | 85 | 71 | 61 | 53 | 47 | 39 | 36 | |
| | | | 2 | F | F | 0,82 | 123 | 109 | 98 | 82 | 70 | 62 | 55 | 45 | 41 | |
| | | | 2,5 | F | F | 0,91 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 50 | 46 | |
| | | | 3 | F | F | 1,00 | 150 | 133 | 120 | 100 | 86 | 75 | 67 | 55 | 50 | |
| | | | 3,5 | F | F | 1,08 | 162 | 144 | 130 | 108 | 93 | 81 | 72 | 59 | 54 | |
| BLUE | AXI 11003 8003 | 50 | 1,5 | M | M | 0,85 | 128 | 113 | 102 | 85 | 73 | 64 | 57 | 46 | 43 | |
| | | | 2 | M | M | 0,98 | 147 | 131 | 118 | 98 | 84 | 74 | 65 | 53 | 49 | |
| | | | 2,5 | M | M | 1,10 | 165 | 147 | 132 | 110 | 94 | 83 | 73 | 60 | 55 | |
| | | | 3 | M | M | 1,20 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 65 | 60 | |
| | | | 3,5 | F | F | 1,30 | 195 | 173 | 156 | 130 | 111 | 98 | 87 | 71 | 65 | |
| RED | AXI 11004 8004 | 50 | 1,5 | M | M | 1,13 | 170 | 151 | 136 | 113 | 97 | 85 | 75 | 62 | 57 | |
| | | | 2 | M | M | 1,31 | 197 | 175 | 157 | 131 | 112 | 98 | 87 | 71 | 66 | |
| | | | 2,5 | M | M | 1,46 | 219 | 195 | 175 | 146 | 125 | 110 | 97 | 80 | 73 | |
| | | | 3 | M | M | 1,60 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 87 | 80 | |
| | | | 3,5 | M | M | 1,73 | 260 | 231 | 208 | 173 | 148 | 130 | 115 | 94 | 87 | |
| BROWN | AXI 11005 8005 | 50 | 1,5 | M | M | 1,41 | 212 | 188 | 169 | 141 | 121 | 106 | 94 | 77 | 71 | |
| | | | 2 | M | M | 1,63 | 245 | 217 | 196 | 163 | 140 | 122 | 109 | 89 | 82 | |
| | | | 2,5 | M | M | 1,82 | 273 | 243 | 218 | 182 | 156 | 137 | 121 | 100 | 92 | |
| | | | 3 | M | M | 2,00 | 300 | 267 | 240 | 200 | 171 | 150 | 133 | 109 | 100 | |
| | | | 3,5 | M | M | 2,16 | 324 | 288 | 259 | 216 | 185 | 162 | 144 | 118 | 108 | |
| GREY | AXI 11006 8006 | 50 | 1,5 | M | C | 1,70 | 255 | 227 | 204 | 170 | 146 | 128 | 113 | 93 | 85 | |
| | | | 2 | M | C | 1,96 | 294 | 261 | 235 | 196 | 168 | 147 | 131 | 107 | 98 | |
| | | | 2,5 | M | C | 2,19 | 329 | 292 | 263 | 219 | 188 | 164 | 146 | 119 | 110 | |
| | | | 3 | M | C | 2,40 | 360 | 320 | 288 | 240 | 206 | 180 | 160 | 131 | 120 | |
| | | | 3,5 | M | C | 2,59 | 389 | 345 | 311 | 259 | 222 | 194 | 173 | 141 | 130 | |
| WHITE | AXI 11008 8008 | 50 | 1,5 | C | C | 2,26 | 339 | 301 | 271 | 226 | 194 | 170 | 151 | 123 | 113 | |
| | | | 2 | C | C | 2,61 | 392 | 348 | 313 | 261 | 224 | 196 | 174 | 142 | 131 | |
| | | | 2,5 | C | C | 2,92 | 438 | 389 | 350 | 292 | 250 | 219 | 195 | 159 | 146 | |
| | | | 3 | C | C | 3,20 | 480 | 427 | 384 | 320 | 274 | 240 | 213 | 175 | 160 | |
| | | | 3,5 | M | M | 3,46 | 519 | 461 | 415 | 346 | 297 | 260 | 231 | 189 | 173 | |
| 4 | M | M | 3,70 | 555 | 493 | 444 | 370 | 317 | 278 | 247 | 202 | 185 | | | | |



LOW CROPS
ALBUZ catalog 2019

Double jets spray nozzle AXI-TWIN 120°

NEW Nozzle



SPECIFIC CHARACTERISTICS

- › Ceramic insert in a high resistance plastic body.
- › Adapted to any brand of sprayer.
- › Flow rate characteristics, body size and colour code meet international ISO standards.
- › Flat fan pattern, droplet size vary according to pressure.
- › **Minimum boom height recommended: 50 cm.**

MAIN CHARACTERISTICS

- › Improve the penetration into the vegetation or the dense foliage.
- › Fine droplets for a maximal cover.
- › The nozzles produce 2 jets of 120° spaced out by 70° optimizing the cover.
- › Excellent for the phytosanitary products of contact.

FLOW RATE CHART

| Colour | ISO Code | Mesh | Pressure (bar) | l/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | |
|--------|-----------------|------|----------------|------|--|--------|---------|---------|---------|---------|---------|---------|---------|-----|
| | | | | | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 22 km/h | 24 km/h | |
| YELLOW | AXI-TWIN 120 02 | 200 | 1,5 | M | 0,56 | 84 | 75 | 67 | 56 | 48 | 42 | 37 | 31 | 29 |
| | | | 2 | F | 0,66 | 99 | 88 | 79 | 66 | 57 | 50 | 44 | 35 | 33 |
| | | | 2,5 | F | 0,73 | 110 | 97 | 88 | 73 | 63 | 55 | 49 | 40 | 37 |
| | | | 3 | VF | 0,80 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 44 | 40 |
| | | | 3,5 | VF | 0,86 | 129 | 115 | 103 | 86 | 74 | 65 | 57 | 47 | 43 |
| BLUE | AXI-TWIN 120 03 | 100 | 1,5 | M | 0,85 | 128 | 113 | 102 | 85 | 73 | 64 | 57 | 46 | 43 |
| | | | 2 | F | 0,98 | 147 | 131 | 118 | 98 | 84 | 74 | 65 | 53 | 49 |
| | | | 2,5 | F | 1,10 | 165 | 147 | 132 | 110 | 94 | 83 | 73 | 60 | 55 |
| | | | 3 | VF | 1,20 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 65 | 60 |
| | | | 3,5 | VF | 1,30 | 195 | 173 | 156 | 130 | 111 | 98 | 87 | 71 | 65 |
| RED | AXI-TWIN 120 04 | 100 | 1,5 | M | 1,13 | 170 | 151 | 136 | 113 | 97 | 85 | 75 | 62 | 57 |
| | | | 2 | F | 1,31 | 197 | 175 | 157 | 131 | 112 | 98 | 87 | 71 | 66 |
| | | | 2,5 | F | 1,46 | 219 | 195 | 175 | 146 | 125 | 110 | 97 | 80 | 73 |
| | | | 3 | VF | 1,60 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 87 | 80 |
| | | | 3,5 | VF | 1,73 | 260 | 231 | 208 | 173 | 148 | 130 | 115 | 94 | 87 |
| BROWN | AXI-TWIN 120 05 | 100 | 1,5 | M | 1,41 | 212 | 188 | 169 | 141 | 121 | 106 | 94 | 77 | 71 |
| | | | 2 | F | 1,63 | 245 | 217 | 196 | 163 | 140 | 122 | 109 | 89 | 82 |
| | | | 2,5 | F | 1,82 | 273 | 243 | 218 | 182 | 156 | 137 | 121 | 100 | 92 |
| | | | 3 | F | 2,00 | 300 | 267 | 240 | 200 | 171 | 150 | 133 | 109 | 100 |
| | | | 3,5 | VF | 2,16 | 324 | 288 | 259 | 216 | 185 | 162 | 144 | 118 | 108 |

APPLICATIONS

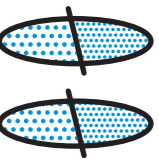
All types of treatments (herbicides, fungicides, insecticides...).



1,5-5 bar



1,5 bar



5 bar

ISO

Specific body dimensions: 8 mm



ISO colour code

CVI 110°

Low pressure
Air induction
flat spray nozzle

catalog 2019

ALBUZ



MAIN CHARACTERISTICS

- > Designed to be used over a wide range of pressures (from 1.5 to 3 bar).
- > Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- > Flat fan pattern angle 110°. Wide angle flat spray: overlap required to ensure uniform distribution on the ground.
- > Designed for all types of nozzle holders, using the same cap as ISO nozzles (for example: AXI).

SPECIFIC CHARACTERISTICS

- > Air induction spray nozzle (venturi system): sprays large drops filled with air bubbles which do not drift and which burst into fine droplets on contact with the plant.
- > Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- > Anti-clogging design and double air-intake orifice.
- > Compact design (22 mm length) adapted to all booms and nozzles-holders.
- > **Minimum height boom recommended: 50/60 cm.**
- > **Recommended pressure : 2 bar.**

FLOW RATE CHART

| Colour | ISO code | Mesh | Pressure (bar) | I/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | |
|--------|------------|------|----------------|------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
| | | | | | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h | 24 km/h | 26 km/h | |
| GREEN | CVI 110015 | 100 | 1,5 | VC | 0,42 | 56 | 50 | 42 | 36 | 32 | 28 | 25 | 23 | 21 | 19 |
| | | | 2 | VC | 0,49 | 65 | 59 | 49 | 42 | 37 | 33 | 29 | 27 | 25 | 23 |
| | | | 2,5 | VC | 0,54 | 72 | 65 | 54 | 46 | 41 | 36 | 32 | 30 | 28 | 25 |
| | | | 3 | VC | 0,60 | 80 | 72 | 60 | 51 | 45 | 40 | 36 | 33 | 30 | 28 |
| | | | 4 | C | 0,69 | 92 | 83 | 69 | 59 | 52 | 46 | 41 | 38 | 35 | 32 |
| YELLOW | CVI 11002 | 100 | 1,5 | VC | 0,57 | 76 | 68 | 57 | 49 | 43 | 38 | 34 | 31 | 29 | 26 |
| | | | 2 | VC | 0,66 | 88 | 79 | 66 | 57 | 50 | 44 | 44 | 35 | 33 | 30 |
| | | | 2,5 | VC | 0,73 | 97 | 88 | 73 | 63 | 55 | 49 | 48 | 40 | 37 | 34 |
| | | | 3 | C | 0,80 | 107 | 96 | 80 | 69 | 60 | 53 | 52 | 44 | 40 | 37 |
| | | | 4 | C | 0,91 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 | 42 |
| PURPLE | CVI 110025 | 50 | 1,5 | VC | 0,71 | 95 | 85 | 71 | 61 | 53 | 47 | 35 | 39 | 36 | 33 |
| | | | 2 | VC | 0,82 | 109 | 98 | 82 | 70 | 62 | 55 | 49 | 45 | 41 | 38 |
| | | | 2,5 | C | 0,91 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 | 42 |
| | | | 3 | C | 1,00 | 133 | 120 | 100 | 86 | 75 | 67 | 60 | 55 | 50 | 46 |
| | | | 4 | C | 1,15 | 153 | 138 | 115 | 99 | 86 | 77 | 69 | 63 | 58 | 53 |
| BLUE | CVI 11003 | 50 | 1,5 | VC | 0,85 | 113 | 102 | 85 | 73 | 64 | 57 | 51 | 46 | 43 | 39 |
| | | | 2 | VC | 0,98 | 131 | 118 | 98 | 84 | 74 | 65 | 66 | 53 | 49 | 45 |
| | | | 2,5 | C | 1,10 | 147 | 132 | 110 | 94 | 83 | 73 | 72 | 60 | 55 | 51 |
| | | | 3 | C | 1,20 | 160 | 144 | 120 | 103 | 90 | 80 | 78 | 65 | 60 | 55 |
| | | | 4 | C | 1,39 | 185 | 167 | 139 | 119 | 104 | 93 | 83 | 76 | 70 | 64 |
| RED | CVI 11004 | 50 | 1,5 | VC | 1,13 | 151 | 136 | 113 | 97 | 85 | 75 | 68 | 62 | 57 | 52 |
| | | | 2 | C | 1,31 | 175 | 157 | 131 | 112 | 98 | 87 | 80 | 71 | 66 | 60 |
| | | | 2,5 | C | 1,46 | 195 | 175 | 146 | 125 | 110 | 97 | 87 | 80 | 73 | 67 |
| | | | 3 | C | 1,60 | 213 | 192 | 160 | 137 | 120 | 107 | 94 | 87 | 80 | 74 |
| | | | 4 | VC | 1,85 | 247 | 222 | 185 | 159 | 139 | 123 | 111 | 101 | 93 | 85 |
| BROWN | CVI 11005 | 50 | 1,5 | VC | 1,41 | 188 | 169 | 141 | 121 | 106 | 94 | 85 | 77 | 71 | 65 |
| | | | 2 | C | 1,63 | 217 | 196 | 163 | 140 | 122 | 109 | 98 | 89 | 82 | 75 |
| | | | 2,5 | C | 1,82 | 247 | 220 | 183 | 156 | 137 | 121 | 110 | 100 | 92 | 84 |
| | | | 3 | C | 2,00 | 267 | 240 | 200 | 171 | 150 | 133 | 120 | 109 | 100 | 92 |
| | | | 4 | XC | 2,31 | 308 | 277 | 231 | 198 | 173 | 154 | 139 | 126 | 116 | 107 |
| 5 | VC | 2,58 | 344 | 310 | 258 | 221 | 194 | 172 | 155 | 141 | 129 | 119 | | | |

APPLICATIONS

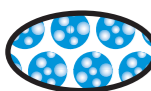
All types of treatments (systemic and contact products) including liquid fertilizers.



1,5-5 bar



110°



ALBUZ

catalog 2019

Low pressure
Air induction
Twin flat spray nozzle

CVI-TWIN

Specific body dimensions: 8 mm

ISO



ISO colour code

SPECIFIC CHARACTERISTICS

- > The inclination of the jets improves the penetration into the vegetation.
- > Air induction nozzle (Venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- > Anti-clogging design and double air-intake orifice.
- > Compact design (22 mm length) adapted to all booms and nozzles-holders.
- > **Minimum height boom recommended: 50/60 cm.**
- > **Recommended pressure: 2 bar.**
- > **Use 80 mesh filters for green (015) and yellow (02) models.**

MAIN CHARACTERISTICS

- > Designed to be used over a wide range of pressures (from 1.5 to 3 bar).
- > Pink ALBUZ® ceramic Double-orifices (excellent precision and high wear resistance).
- > Flat fan pattern angle 110°. Wide angle flat spray: overlap required to ensure uniform distribution on the ground.
- > Designed for all types of nozzle holders, using the same cap which accept nozzles measuring 8 mm across flats. (for example: AXI and CVI).

FLOW RATE CHART

| Colour | ISO code | Mesh | Pressure (bar) | I/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | |
|--------|-----------------|------|----------------|------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| | | | | | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h | 24 km/h | 26 km/h | |
| GREEN | CVI-TWIN 110015 | 100 | 1,5 | VC | 0,42 | 56 | 50 | 42 | 36 | 32 | 28 | 25 | 23 | 21 | 19 |
| | | | 2 | VC | 0,49 | 65 | 59 | 49 | 42 | 37 | 33 | 29 | 27 | 25 | 23 |
| | | | 2,5 | VC | 0,54 | 72 | 65 | 54 | 46 | 41 | 36 | 32 | 30 | 28 | 25 |
| YELLOW | CVI-TWIN 11002 | 100 | 1,5 | VC | 0,57 | 76 | 68 | 57 | 49 | 43 | 38 | 34 | 31 | 29 | 26 |
| | | | 2 | VC | 0,66 | 88 | 79 | 66 | 57 | 50 | 44 | 44 | 35 | 33 | 30 |
| | | | 2,5 | VC | 0,73 | 97 | 88 | 73 | 63 | 55 | 49 | 48 | 40 | 37 | 34 |
| PURPLE | CVI-TWIN 110025 | 50 | 1,5 | VC | 0,71 | 95 | 85 | 71 | 61 | 53 | 47 | 35 | 39 | 36 | 33 |
| | | | 2 | VC | 0,82 | 109 | 98 | 82 | 70 | 62 | 55 | 49 | 45 | 41 | 38 |
| | | | 2,5 | C | 0,91 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 | 42 |
| BLUE | CVI-TWIN 11003 | 50 | 1,5 | VC | 0,85 | 113 | 102 | 85 | 73 | 64 | 57 | 51 | 46 | 43 | 39 |
| | | | 2 | VC | 0,98 | 131 | 118 | 98 | 84 | 74 | 65 | 66 | 53 | 49 | 45 |
| | | | 2,5 | C | 1,10 | 147 | 132 | 110 | 94 | 83 | 73 | 72 | 60 | 55 | 51 |
| RED | CVI-TWIN 11004 | 50 | 1,5 | VC | 1,13 | 151 | 136 | 113 | 97 | 85 | 75 | 68 | 62 | 57 | 52 |
| | | | 2 | C | 1,31 | 175 | 157 | 131 | 112 | 98 | 87 | 80 | 71 | 66 | 60 |
| | | | 2,5 | C | 1,46 | 195 | 175 | 146 | 125 | 110 | 97 | 87 | 80 | 73 | 67 |
| BROWN | CVI-TWIN 11005 | 50 | 1,5 | VC | 1,41 | 188 | 169 | 141 | 121 | 106 | 94 | 85 | 77 | 71 | 65 |
| | | | 2 | C | 1,63 | 217 | 196 | 163 | 140 | 122 | 109 | 98 | 89 | 82 | 75 |
| | | | 2,5 | C | 1,82 | 247 | 220 | 183 | 156 | 137 | 121 | 110 | 100 | 92 | 84 |
| 3 | C | 2,00 | 267 | 240 | 200 | 171 | 150 | 133 | 120 | 109 | 100 | 92 | | | |
| 4 | XC | 2,31 | 308 | 277 | 231 | 198 | 173 | 154 | 139 | 126 | 116 | 107 | | | |
| 5 | VC | 2,58 | 344 | 310 | 258 | 221 | 194 | 172 | 155 | 141 | 129 | 119 | | | |

APPLICATIONS

All types of treatment (systemic and contact products) including liquid fertilizers.



1,5-5 bar





AVI 110° Air induction flat spray nozzle

MAIN CHARACTERISTICS

- › Designed to be used over a wide range of pressures (from 3 to 5 bar).
- › Pink ALBUZ® ceramic double orifices (excellent precision and high wear resistance).
- › Flat fan pattern angle 110°.
- › Wide angle flat : spray overlap ensuring uniform distribution on the ground.
- › Designed for all types nozzle-holders.
- › Designed for all types of nozzle-holders, using the same cap as ALBUZ® APE / AVI (11 mm) nozzles.

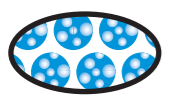
APPLICATIONS
All types of treatments (systemic and contact products) including liquid fertilizers.



3-5 bar



110°



catalog 2019

Specific body dimensions: 11 mm



catalog 2019

Air induction Twin flat spray nozzle AVI-TWIN

SPECIFIC CHARACTERISTICS

- › The inclination of the jets improves the penetration of the vegetation.
- › Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- › Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- › Anti-clogging design and double air-intake orifices.
- › Compact design length (28 mm length) fits all booms and nozzle holders.
- › **Minimum height boom recommended: 50/60 cm.**

MAIN CHARACTERISTICS

- › Double-orifices pink ALBUZ® ceramic (excellent precision and high wear resistance).
- › Two flat-fan patterns with 110° angles.
- › Wide flat angle: spray overlap required to ensure uniform distribution on the ground.
- › Designed for all types of nozzle holders, using the same cap as ALBUZ® APE / AVI (11 mm) nozzles.



ISO colour code

FLOW RATE CHART

| Colour | ISO code | Mesh | Pressure (bar) | Type | l/mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | |
|-------------|------------|------|----------------|------|------|--|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h | 24 km/h | 26 km/h |
| ORANGE | AVI 11001 | 100 | 3 | VC | 0,40 | 60 | 53 | 48 | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
| | | | 4 | C | 0,46 | 69 | 61 | 55 | 46 | 39 | 35 | 31 | 28 | 25 | 23 | 21 |
| | | | 5 | C | 0,52 | 78 | 69 | 62 | 52 | 45 | 39 | 35 | 31 | 28 | 26 | 24 |
| GREEN | AVI 110015 | 100 | 3 | VC | 0,60 | 90 | 80 | 72 | 60 | 51 | 45 | 40 | 36 | 33 | 30 | 28 |
| | | | 4 | C | 0,69 | 104 | 92 | 83 | 69 | 59 | 52 | 46 | 41 | 38 | 35 | 32 |
| | | | 5 | C | 0,77 | 116 | 103 | 92 | 77 | 66 | 58 | 51 | 46 | 42 | 39 | 36 |
| YELLOW | AVI 11002 | 100 | 3 | VC | 0,80 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 48 | 44 | 40 | 37 |
| | | | 4 | C | 0,91 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 | 42 |
| | | | 5 | C | 1,03 | 155 | 137 | 124 | 103 | 88 | 77 | 69 | 62 | 56 | 52 | 48 |
| PURPLE | AVI 110025 | 50 | 3 | VC | 1,00 | 150 | 133 | 120 | 100 | 86 | 75 | 67 | 60 | 55 | 50 | 46 |
| | | | 4 | C | 1,15 | 173 | 153 | 138 | 115 | 99 | 86 | 77 | 69 | 63 | 58 | 53 |
| | | | 5 | C | 1,29 | 194 | 172 | 155 | 129 | 111 | 97 | 86 | 77 | 70 | 65 | 60 |
| BLUE | AVI 11003 | 50 | 3 | XC | 1,20 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 72 | 65 | 60 | 55 |
| | | | 4 | C | 1,39 | 209 | 185 | 167 | 139 | 119 | 104 | 93 | 83 | 76 | 70 | 64 |
| | | | 5 | C | 1,55 | 233 | 207 | 186 | 155 | 133 | 116 | 103 | 93 | 85 | 78 | 72 |
| RED | AVI 11004 | 50 | 3 | XC | 1,60 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 96 | 87 | 80 | 74 |
| | | | 4 | VC | 1,85 | 278 | 247 | 222 | 185 | 159 | 139 | 123 | 111 | 101 | 93 | 85 |
| | | | 5 | VC | 2,07 | 311 | 276 | 248 | 207 | 177 | 155 | 138 | 124 | 113 | 104 | 96 |
| BROWN | AVI 11005 | 50 | 3 | XC | 2,00 | 300 | 267 | 240 | 200 | 171 | 150 | 133 | 120 | 109 | 100 | 92 |
| | | | 4 | XC | 2,31 | 347 | 308 | 277 | 231 | 198 | 173 | 154 | 139 | 126 | 116 | 107 |
| | | | 5 | VC | 2,58 | 387 | 344 | 310 | 258 | 221 | 194 | 172 | 155 | 141 | 129 | 119 |
| GREY | AVI 11006 | 50 | 3 | XC | 2,40 | 360 | 320 | 288 | 240 | 206 | 180 | 160 | 144 | 131 | 120 | 111 |
| | | | 4 | XC | 2,77 | 416 | 369 | 332 | 277 | 237 | 208 | 185 | 166 | 151 | 139 | 128 |
| | | | 5 | VC | 3,10 | 465 | 413 | 372 | 310 | 266 | 233 | 207 | 186 | 169 | 155 | 143 |
| WHITE | AVI 11008 | 50 | 3 | XC | 3,20 | 480 | 427 | 384 | 320 | 274 | 240 | 213 | 192 | 175 | 160 | 148 |
| | | | 4 | XC | 3,70 | 555 | 493 | 444 | 370 | 317 | 278 | 247 | 222 | 202 | 185 | 171 |
| | | | 5 | XC | 4,13 | 620 | 551 | 496 | 413 | 354 | 310 | 275 | 248 | 225 | 207 | 191 |
| LIGHT BLUE* | AVI 11010 | 50 | 3 | XC | 4,00 | 600 | 533 | 480 | 400 | 343 | 300 | 267 | 240 | 218 | 200 | 185 |
| | | | 4 | XC | 4,62 | 693 | 616 | 554 | 462 | 396 | 347 | 308 | 277 | 252 | 231 | 213 |
| | | | 5 | XC | 5,16 | 774 | 688 | 619 | 516 | 442 | 387 | 344 | 310 | 281 | 258 | 238 |

* this nozzle was before black color

FLOW RATE CHART

| Colour | ISO code | Mesh | Pressure (bar) | Type | l / mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | |
|--------|-----------------|------|----------------|------|--------|--|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h | 24 km/h | 26 km/h |
| ORANGE | AVI-TWIN 11001 | 100 | 3 | XG | 0,40 | 60 | 53 | 48 | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
| | | | 4 | XG | 0,46 | 69 | 61 | 55 | 46 | 39 | 35 | 31 | 28 | 25 | 23 | 21 |
| | | | 5 | G | 0,52 | 78 | 69 | 62 | 52 | 45 | 39 | 35 | 31 | 28 | 26 | 24 |
| GREEN | AVI-TWIN 110015 | 100 | 3 | XG | 0,60 | 90 | 80 | 72 | 60 | 51 | 45 | 40 | 36 | 33 | 30 | 28 |
| | | | 4 | XG | 0,69 | 104 | 92 | 83 | 69 | 59 | 52 | 46 | 41 | 38 | 35 | 32 |
| | | | 5 | G | 0,77 | 116 | 103 | 92 | 77 | 66 | 58 | 51 | 46 | 42 | 39 | 36 |
| YELLOW | AVI-TWIN 11002 | 100 | 3 | XG | 0,80 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 48 | 44 | 40 | 37 |
| | | | 4 | XG | 0,91 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 | 42 |
| | | | 5 | G | 1,03 | 155 | 137 | 124 | 103 | 88 | 77 | 69 | 62 | 56 | 52 | 48 |
| PURPLE | AVI-TWIN 110025 | 50 | 3 | XG | 1,00 | 150 | 133 | 120 | 100 | 86 | 75 | 67 | 60 | 55 | 50 | 46 |
| | | | 4 | XG | 1,15 | 173 | 153 | 138 | 115 | 99 | 86 | 77 | 69 | 63 | 58 | 53 |
| | | | 5 | TG | 1,29 | 194 | 172 | 155 | 129 | 111 | 97 | 86 | 77 | 70 | 65 | 60 |
| BLUE | AVI-TWIN 11003 | 50 | 3 | XG | 1,20 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 72 | 65 | 60 | 55 |
| | | | 4 | XG | 1,39 | 209 | 185 | 167 | 139 | 119 | 104 | 93 | 83 | 76 | 70 | 64 |
| | | | 5 | TG | 1,55 | 233 | 207 | 186 | 155 | 133 | 116 | 103 | 93 | 85 | 78 | 72 |
| RED | AVI-TWIN 11004 | 50 | 3 | XG | 1,60 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 96 | 87 | 80 | 74 |
| | | | 4 | XG | 1,85 | 278 | 247 | 222 | 185 | 159 | 139 | 123 | 111 | 101 | 93 | 85 |
| | | | 5 | TG | 2,07 | 311 | 276 | 248 | 207 | 177 | 155 | 138 | 124 | 113 | 104 | 96 |
| BROWN | AVI-TWIN 11005 | 50 | 3 | XG | 2,00 | 300 | 267 | 240 | 200 | 171 | 150 | 133 | 120 | 109 | 100 | 92 |
| | | | 4 | XG | 2,31 | 347 | 308 | 277 | 231 | 198 | 173 | 154 | 139 | 126 | 116 | 107 |
| | | | 5 | TG | 2,58 | 387 | 344 | 310 | 258 | 221 | 194 | 172 | 155 | 141 | 129 | 119 |
| GREY | AVI-TWIN 11006 | 50 | 3 | XG | 2,40 | 360 | 320 | 288 | 240 | 206 | 180 | 160 | 144 | 131 | 120 | 111 |
| | | | 4 | XG | 2,77 | 416 | 369 | 332 | 277 | 237 | 208 | 185 | 166 | 151 | 139 | 128 |
| | | | 5 | XG | 3,10 | 465 | 413 | 372 | 310 | 266 | 233 | 207 | 186 | 169 | 155 | 143 |

APPLICATIONS

All types of treatment (systemic and contact products). Designed to be used over a wide range of pressures (from 3 to 5 bar).



3-5 bar



ISO 3 FAST-CAP

NEW
Nozzles

FAST-CAP range combines the advantages of the monoblock and classic nozzle making an easier and faster cleaning.

SPECIFIC CHARACTERISTICS

- > Adapted to ISO color code
- > The nozzle can be clipped for an easy and quick cleaning
- > Sold with EPDM flat gasket

MAIN CHARACTERISTICS

- > Automatic alignment of the jet by construction
- > Made of Polyacetal for an excellent resistance to phytosanitary products
- > Can be used with 3 nozzle models with air injection of the AVI range 110° / 80°, AVI TWIN, AVI OC
- > See the specific characteristics of these nozzles in the other pages of this catalog



FAST-CAP AVI-TWIN 110°



FAST-CAP AVI 80°/110°



FAST-CAP AVI-OC 80°



ALBUZ

LOW CROPS



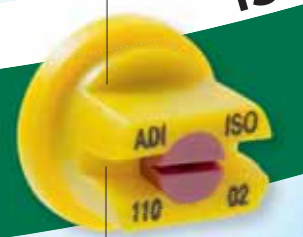
ALBUZ catalog 2019

Drift reduction flat spray nozzle

ADI 110°

Specific body dimensions: 8 mm

ISO



ISO colour code

SPECIFIC CHARACTERISTICS

- > Flow rate characteristics, body size and colour code meet international ISO standard.
- > Drift reduction nozzle reduces by 50% the number of small droplets (<100µm).
- > Easy to dismantle and clean.
- > **Minimum height boom recommended: 50/60 cm.**
- > **Recommended pressure: 2 bar.**



Easy to dismantle and clean

MAIN CHARACTERISTICS

- > Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- > Flat fan pattern angle 110°: spray overlap required to ensure uniform distribution on the ground.
- > Designed for all types of nozzle holders with caps which accept nozzles to ISO dimensions (8 mm across flats).
- > Drift reduction.

FLOW RATE CHART

| Colour | ISO CODE | Mesh | (bar) | l / mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | | | |
|--------|------------|------|-------|--------|--|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| | | | | | 6 km/h | 7 km/h | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | 22 km/h | 24 km/h | |
| ORANGE | ADI 11001 | 100 | 2 | M | 0,32 | 64 | 55 | 48 | 43 | 38 | 32 | 27 | 24 | 21 | 19 | 18 | 17 |
| | | | 2,5 | M | 0,36 | 72 | 62 | 54 | 48 | 43 | 36 | 31 | 27 | 24 | 22 | 20 | 19 |
| | | | 3 | M | 0,40 | 80 | 69 | 60 | 53 | 48 | 40 | 34 | 30 | 27 | 24 | 22 | 20 |
| | | | 3,5 | F | 0,43 | 86 | 74 | 65 | 57 | 52 | 43 | 37 | 32 | 29 | 26 | 23 | 22 |
| GREEN | ADI 110015 | 100 | 2 | M | 0,49 | 98 | 84 | 74 | 65 | 59 | 49 | 42 | 37 | 33 | 29 | 27 | 25 |
| | | | 2,5 | M | 0,54 | 108 | 93 | 81 | 72 | 65 | 54 | 46 | 41 | 36 | 32 | 30 | 28 |
| | | | 3 | F | 0,60 | 120 | 103 | 90 | 80 | 72 | 60 | 51 | 45 | 40 | 36 | 33 | 30 |
| | | | 3,5 | M | 0,64 | 128 | 110 | 96 | 85 | 77 | 64 | 55 | 48 | 43 | 38 | 35 | 33 |
| YELLOW | ADI 11002 | 100 | 2 | M | 0,66 | 132 | 113 | 99 | 88 | 79 | 66 | 57 | 50 | 44 | 40 | 35 | 33 |
| | | | 2,5 | M | 0,73 | 146 | 125 | 110 | 97 | 88 | 73 | 63 | 55 | 49 | 44 | 40 | 37 |
| | | | 3 | F | 0,80 | 160 | 137 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 48 | 44 | 40 |
| | | | 3,5 | M | 0,86 | 172 | 147 | 129 | 115 | 103 | 86 | 74 | 65 | 57 | 52 | 47 | 43 |
| PURPLE | ADI 110025 | 50 | 2 | M | 0,82 | 164 | 141 | 123 | 109 | 98 | 82 | 70 | 62 | 55 | 49 | 45 | 41 |
| | | | 2,5 | M | 0,91 | 182 | 156 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 |
| | | | 3 | F | 1,00 | 200 | 171 | 150 | 133 | 120 | 100 | 86 | 75 | 67 | 60 | 55 | 50 |
| | | | 3,5 | M | 1,08 | 216 | 185 | 162 | 144 | 130 | 108 | 93 | 81 | 72 | 65 | 59 | 54 |
| BLUE | ADI 11003 | 50 | 2 | C | 0,98 | 196 | 168 | 147 | 131 | 118 | 98 | 84 | 74 | 65 | 59 | 53 | 49 |
| | | | 2,5 | M | 1,10 | 220 | 189 | 165 | 147 | 132 | 110 | 94 | 83 | 73 | 66 | 60 | 55 |
| | | | 3 | F | 1,20 | 240 | 206 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 72 | 65 | 60 |
| | | | 3,5 | M | 1,30 | 260 | 223 | 195 | 173 | 156 | 130 | 111 | 98 | 87 | 78 | 71 | 65 |
| RED | ADI 11004 | 50 | 2 | VC | 1,31 | 262 | 225 | 197 | 175 | 157 | 131 | 112 | 98 | 87 | 79 | 71 | 66 |
| | | | 2,5 | C | 1,46 | 292 | 250 | 219 | 195 | 175 | 146 | 125 | 110 | 97 | 88 | 80 | 73 |
| | | | 3 | F | 1,60 | 320 | 274 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 96 | 87 | 80 |
| | | | 3,5 | C | 1,73 | 346 | 297 | 260 | 231 | 208 | 173 | 148 | 130 | 115 | 104 | 94 | 87 |
| | | | 4 | M | 1,85 | 370 | 317 | 278 | 247 | 222 | 185 | 159 | 139 | 123 | 111 | 101 | 93 |

APPLICATIONS

All types of treatments (herbicides, fungicides, insecticides...).



2-4 bar



110°





ATR 80° Hollow cone nozzle

European Colour code

MAIN CHARACTERISTICS

- > Angle of 80° at 5 bar.
- > Hollow cone nozzle producing fine droplets.
- > ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- > Easy dismantling for cleaning.
- > JKI certified.
- > Can be used on a sprayer boom from 3 bar pressure.
- > Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- > **Recommended pressure: 10 bar.**
- > Information about droplets size (see page 5)

FLOW RATE CHART [l/min]

| Pressure (bar) | WHITE | LILAC | BROWN | YELLOW | ORANGE | RED | GREY | GREEN | BLACK | BLUE | PURPLE |
|----------------|-------|-------|-------|--------|--------|------|------|-------|-------|------|--------|
| | | | | | | | | | | | |
| 5 | 0,27 | 0,36 | 0,48 | 0,73 | 0,99 | 1,38 | 1,50 | 1,78 | 2,00 | 2,45 | 3,05 |
| 6 | 0,29 | 0,39 | 0,52 | 0,80 | 1,08 | 1,51 | 1,63 | 1,94 | 2,18 | 2,67 | 3,32 |
| 7 | 0,32 | 0,42 | 0,56 | 0,86 | 1,17 | 1,62 | 1,76 | 2,09 | 2,35 | 2,87 | 3,57 |
| 8 | 0,34 | 0,45 | 0,60 | 0,92 | 1,24 | 1,73 | 1,87 | 2,22 | 2,50 | 3,06 | 3,81 |
| 9 | 0,36 | 0,48 | 0,64 | 0,97 | 1,32 | 1,83 | 1,98 | 2,35 | 2,64 | 3,24 | 4,03 |
| 10 | 0,38 | 0,50 | 0,67 | 1,03 | 1,39 | 1,92 | 2,08 | 2,47 | 2,78 | 3,40 | 4,23 |
| 11 | 0,39 | 0,52 | 0,70 | 1,07 | 1,45 | 2,01 | 2,17 | 2,58 | 2,90 | 3,56 | 4,43 |
| 12 | 0,41 | 0,55 | 0,73 | 1,12 | 1,51 | 2,09 | 2,26 | 2,69 | 3,03 | 3,71 | 4,61 |
| 13 | 0,43 | 0,57 | 0,76 | 1,17 | 1,57 | 2,17 | 2,35 | 2,79 | 3,14 | 3,85 | 4,79 |
| 14 | 0,44 | 0,59 | 0,79 | 1,21 | 1,63 | 2,25 | 2,43 | 2,89 | 3,26 | 3,99 | 4,96 |
| 15 | 0,46 | 0,61 | 0,81 | 1,25 | 1,69 | 2,33 | 2,51 | 2,99 | 3,36 | 4,12 | 5,12 |
| 16 | 0,47 | 0,63 | 0,84 | 1,29 | 1,74 | 2,40 | 2,59 | 3,08 | 3,47 | 4,25 | 5,28 |
| 17 | 0,48 | 0,64 | 0,86 | 1,33 | 1,79 | 2,47 | 2,67 | 3,17 | 3,57 | 4,37 | 5,43 |
| 18 | 0,50 | 0,66 | 0,89 | 1,37 | 1,84 | 2,54 | 2,74 | 3,25 | 3,67 | 4,49 | 5,58 |
| 19 | 0,51 | 0,68 | 0,91 | 1,40 | 1,89 | 2,60 | 2,81 | 3,34 | 3,76 | 4,61 | 5,73 |
| 20 | 0,52 | 0,70 | 0,93 | 1,44 | 1,94 | 2,67 | 2,88 | 3,42 | 3,85 | 4,72 | 5,87 |
| 21 | 0,54 | 0,71 | 0,95 | 1,48 | 1,99 | 2,73 | 2,95 | 3,50 | 3,94 | 4,84 | 6,00 |
| 22 | 0,55 | 0,73 | 0,98 | 1,51 | 2,03 | 2,79 | 3,01 | 3,57 | 4,03 | 4,94 | 6,14 |
| 23 | 0,56 | 0,74 | 1,00 | 1,54 | 2,07 | 2,85 | 3,07 | 3,65 | 4,12 | 5,05 | 6,27 |
| 24 | 0,57 | 0,76 | 1,02 | 1,58 | 2,12 | 2,91 | 3,14 | 3,72 | 4,20 | 5,15 | 6,4 |
| 25 | 0,58 | 0,77 | 1,04 | 1,61 | 2,16 | 2,97 | 3,20 | 3,80 | 4,28 | 5,25 | 6,52 |

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards.



5-20 bar



80°



Hollow cone nozzle ATR 60°

European Colour code

MAIN CHARACTERISTICS

- > Angle of 60° at 5 bar.
- > Hollow cone nozzle producing fine droplets.
- > The **green cap** is used to specify that the nozzles has an angle of 60 degrees.
- > ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- > Easy dismantling for cleaning.
- > The angle of 60 degrees :
 - Is mostly recommended during the use of the Shielded Sprayer or Tunnel sprayer.
 - The drift is reduced on the top part of the target during the process
- > Can be used on a sprayer boom from 3 bar pressure.
- > Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- > **Recommended pressure: 10 bar.**
- > Information about droplets size (see page 5)

FLOW RATE CHART [l/min]

| Pressure (bar) | LILAC | BROWN | YELLOW | ORANGE | RED | GREY | GREEN | BLACK | BLUE |
|----------------|-------|-------|--------|--------|------|------|-------|-------|------|
| 5 | 0,36 | 0,48 | 0,73 | 0,99 | 1,38 | 1,50 | 1,78 | 2,00 | 2,45 |
| 6 | 0,39 | 0,52 | 0,80 | 1,08 | 1,51 | 1,63 | 1,94 | 2,18 | 2,67 |
| 7 | 0,42 | 0,56 | 0,86 | 1,17 | 1,62 | 1,76 | 2,09 | 2,35 | 2,87 |
| 8 | 0,45 | 0,60 | 0,92 | 1,24 | 1,73 | 1,87 | 2,22 | 2,50 | 3,06 |
| 9 | 0,48 | 0,64 | 0,97 | 1,32 | 1,83 | 1,98 | 2,35 | 2,64 | 3,24 |
| 10 | 0,50 | 0,67 | 1,03 | 1,39 | 1,92 | 2,08 | 2,47 | 2,78 | 3,40 |
| 11 | 0,52 | 0,70 | 1,07 | 1,45 | 2,01 | 2,17 | 2,58 | 2,90 | 3,56 |
| 12 | 0,55 | 0,73 | 1,12 | 1,51 | 2,09 | 2,26 | 2,69 | 3,03 | 3,71 |
| 13 | 0,57 | 0,76 | 1,17 | 1,57 | 2,17 | 2,35 | 2,79 | 3,14 | 3,85 |
| 14 | 0,59 | 0,79 | 1,21 | 1,63 | 2,25 | 2,43 | 2,89 | 3,26 | 3,99 |
| 15 | 0,61 | 0,81 | 1,25 | 1,69 | 2,33 | 2,51 | 2,99 | 3,36 | 4,12 |
| 16 | 0,63 | 0,84 | 1,29 | 1,74 | 2,40 | 2,59 | 3,08 | 3,47 | 4,25 |
| 17 | 0,64 | 0,86 | 1,33 | 1,79 | 2,47 | 2,67 | 3,17 | 3,57 | 4,37 |
| 18 | 0,66 | 0,89 | 1,37 | 1,84 | 2,54 | 2,74 | 3,25 | 3,67 | 4,49 |
| 19 | 0,68 | 0,91 | 1,40 | 1,89 | 2,60 | 2,81 | 3,34 | 3,76 | 4,61 |
| 20 | 0,70 | 0,93 | 1,44 | 1,94 | 2,67 | 2,88 | 3,42 | 3,85 | 4,72 |
| 21 | 0,71 | 0,95 | 1,48 | 1,99 | 2,73 | 2,95 | 3,50 | 3,94 | 4,84 |
| 22 | 0,73 | 0,98 | 1,51 | 2,03 | 2,79 | 3,01 | 3,57 | 4,03 | 4,94 |
| 23 | 0,74 | 1,00 | 1,54 | 2,07 | 2,85 | 3,07 | 3,65 | 4,12 | 5,05 |
| 24 | 0,76 | 1,02 | 1,58 | 2,12 | 2,91 | 3,14 | 3,72 | 4,20 | 5,15 |
| 25 | 0,77 | 1,04 | 1,61 | 2,16 | 2,97 | 3,20 | 3,80 | 4,28 | 5,25 |

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards.



5-20 bar



60°



ISO



ORCHARD VINEYARD

catalog 2019

ALBUZ



ATI 80° Hollow cone nozzle

ISO colour code

MAIN CHARACTERISTICS

- > Angle of 80° at 5 bar.
- > Hollow cone nozzle producing fine droplets.
- > The **green cap** is used to specify that the nozzles has an angle of 80 degrees.
- > ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- > **Flow rate characteristics, colour code meet international ISO standards.**
- > Easy dismantling for cleaning.
- > The angle of 80 degrees may be matched with TVI 80° nozzles in order to optimize applications.
- > Can be used on a sprayer boom from 3 bar pressure.
- > Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- > **Recommended pressure: 10 bar.**
- > Information about droplets size (see page 5)

FLOW RATE CHART [l/min]

| Pressure (bar) | LILAC 80-0050 | PINK 80-0075 | ORANGE 80-01 | GREEN 80-015 | YELLOW 80-02 | PURPLE 80-025 | BLUE 80-03 | BROWN RED 80-035 | RED 80-04 | BROWN 80-05 |
|----------------|---------------|--------------|--------------|--------------|--------------|---------------|------------|------------------|-----------|-------------|
| 3 | 0,20 | - | - | - | - | - | - | - | - | - |
| 4 | 0,23 | - | - | - | - | - | - | - | - | - |
| 5 | 0,26 | 0,39 | 0,52 | 0,77 | 1,03 | 1,29 | 1,55 | 1,81 | 2,07 | 2,58 |
| 6 | 0,28 | 0,42 | 0,57 | 0,85 | 1,13 | 1,41 | 1,70 | 1,98 | 2,26 | 2,83 |
| 7 | 0,31 | 0,46 | 0,61 | 0,92 | 1,22 | 1,53 | 1,83 | 2,14 | 2,44 | 3,06 |
| 8 | 0,33 | 0,49 | 0,65 | 0,98 | 1,31 | 1,63 | 1,96 | 2,29 | 2,61 | 3,27 |
| 9 | 0,35 | 0,52 | 0,69 | 1,04 | 1,39 | 1,73 | 2,08 | 2,42 | 2,77 | 3,46 |
| 10 | 0,37 | 0,55 | 0,73 | 1,10 | 1,46 | 1,83 | 2,19 | 2,56 | 2,92 | 3,65 |
| 11 | 0,38 | 0,57 | 0,77 | 1,15 | 1,53 | 1,91 | 2,30 | 2,68 | 3,06 | 3,83 |
| 12 | 0,40 | 0,60 | 0,80 | 1,2 | 1,6 | 2,00 | 2,40 | 2,80 | 3,20 | 4,00 |
| 13 | 0,42 | 0,62 | 0,83 | 1,25 | 1,67 | 2,08 | 2,50 | 2,91 | 3,33 | 4,16 |
| 14 | 0,43 | 0,65 | 0,86 | 1,30 | 1,73 | 2,16 | 2,59 | 3,02 | 3,46 | 4,32 |
| 15 | 0,45 | 0,67 | 0,89 | 1,34 | 1,79 | 2,24 | 2,68 | 3,13 | 3,58 | 4,47 |
| 16 | 0,46 | 0,69 | 0,92 | 1,39 | 1,85 | 2,31 | 2,77 | 3,23 | 3,70 | 4,62 |
| 17 | 0,48 | 0,71 | 0,95 | 1,43 | 1,90 | 2,38 | 2,86 | 3,33 | 3,81 | 4,76 |
| 18 | 0,49 | 0,73 | 0,98 | 1,47 | 1,96 | 2,45 | 2,94 | 3,43 | 3,92 | 4,90 |
| 19 | 0,50 | 0,75 | 1,01 | 1,51 | 2,01 | 2,52 | 3,02 | 3,52 | 4,03 | 5,03 |
| 20 | 0,52 | 0,77 | 1,03 | 1,55 | 2,07 | 2,58 | 3,10 | 3,61 | 4,13 | 5,16 |
| 21 | 0,53 | 0,79 | 1,06 | 1,59 | 2,12 | 2,65 | 3,17 | 3,7 | 4,23 | 5,29 |
| 22 | 0,54 | 0,81 | 1,08 | 1,62 | 2,17 | 2,71 | 3,25 | 3,75 | 4,33 | 5,42 |
| 23 | 0,55 | 0,83 | 1,11 | 1,66 | 2,22 | 2,77 | 3,32 | 3,88 | 4,43 | 5,54 |
| 24 | 0,57 | 0,85 | 1,13 | 1,70 | 2,26 | 2,83 | 3,39 | 3,96 | 4,53 | 5,66 |
| 25 | 0,58 | 0,87 | 1,15 | 1,73 | 2,31 | 2,89 | 3,46 | 4,04 | 4,62 | 5,77 |

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards.



5-20 bar



80°



ORCHARD VINEYARD



ALBUZ

catalog 2019



Hollow cone nozzle ATI 60°

ISO colour code

ISO

SPECIFIC CHARACTERISTICS

- > **Flow rate characteristics, colour code meet international ISO standards.**
- > Easy dismantling for cleaning.
- > The angle of 60 degrees :
 - Is mostly recommended during the use of the Shielded Sprayer or Tunnel sprayer.
 - The drift is reduced on the top part of the target during the process
- > Can be used on a sprayer boom from 3 bar pressure.
- > Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- > **Recommended pressure: 10 bar.**
- > Information about droplets size (see page 5)

MAIN CHARACTERISTICS

- > Angle of 60° at 5 bar
- > Hollow cone nozzle producing fine droplets
- > The green cap is used to specify that the nozzles has an angle of 60 degrees
- > ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision

FLOW RATE CHART [l/min]

| Pressure (bar) | PINK 60-0075 | ORANGE 60-01 | GREEN 60-015 | YELLOW 60-02 | PURPLE 60-025 | BLUE 60-03 | RED 60-04 | BROWN 60-05 |
|----------------|--------------|--------------|--------------|--------------|---------------|------------|-----------|-------------|
| 5 | 0,39 | 0,52 | 0,77 | 1,03 | 1,29 | 1,55 | 2,07 | 2,58 |
| 6 | 0,42 | 0,57 | 0,85 | 1,13 | 1,41 | 1,70 | 2,26 | 2,83 |
| 7 | 0,46 | 0,61 | 0,92 | 1,22 | 1,53 | 1,83 | 2,44 | 3,06 |
| 8 | 0,49 | 0,65 | 0,98 | 1,31 | 1,63 | 1,96 | 2,61 | 3,27 |
| 9 | 0,52 | 0,69 | 1,04 | 1,39 | 1,73 | 2,08 | 2,77 | 3,46 |
| 10 | 0,55 | 0,73 | 1,10 | 1,46 | 1,83 | 2,19 | 2,92 | 3,65 |
| 11 | 0,57 | 0,77 | 1,15 | 1,53 | 1,91 | 2,30 | 3,06 | 3,83 |
| 12 | 0,60 | 0,80 | 1,2 | 1,6 | 2,00 | 2,40 | 3,20 | 4,00 |
| 13 | 0,62 | 0,83 | 1,25 | 1,67 | 2,08 | 2,50 | 3,33 | 4,16 |
| 14 | 0,65 | 0,86 | 1,30 | 1,73 | 2,16 | 2,59 | 3,46 | 4,32 |
| 15 | 0,67 | 0,89 | 1,34 | 1,79 | 2,24 | 2,68 | 3,58 | 4,47 |
| 16 | 0,69 | 0,92 | 1,39 | 1,85 | 2,31 | 2,77 | 3,70 | 4,62 |
| 17 | 0,71 | 0,95 | 1,43 | 1,90 | 2,38 | 2,86 | 3,81 | 4,76 |
| 18 | 0,73 | 0,98 | 1,47 | 1,96 | 2,45 | 2,94 | 3,92 | 4,90 |
| 19 | 0,75 | 1,01 | 1,51 | 2,01 | 2,52 | 3,02 | 4,03 | 5,03 |
| 20 | 0,77 | 1,03 | 1,55 | 2,07 | 2,58 | 3,10 | 4,13 | 5,16 |
| 21 | 0,79 | 1,06 | 1,59 | 2,12 | 2,65 | 3,17 | 4,23 | 5,29 |
| 22 | 0,81 | 1,08 | 1,62 | 2,17 | 2,71 | 3,25 | 4,33 | 5,42 |
| 23 | 0,83 | 1,11 | 1,66 | 2,22 | 2,77 | 3,32 | 4,43 | 5,54 |
| 24 | 0,85 | 1,13 | 1,70 | 2,26 | 2,83 | 3,39 | 4,53 | 5,66 |
| 25 | 0,87 | 1,15 | 1,73 | 2,31 | 2,89 | 3,46 | 4,62 | 5,77 |

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards.



5-20 bar



60°



ISO



ISO colour code

ATF 60°/80° Full cone nozzle



ORCHARD VINEYARD

catalog 2019

ALBUZ

MAIN CHARACTERISTICS

- > Angle of 80° at 5 bar.
- > Full cone nozzle producing fine droplets.
- > AlbuZ durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- > Flow rate characteristics, colour code meet international ISO standards.
- > Use 100 mesh nozzle filters for models 80 015 and 80 02.
- > Can be used on a sprayer boom (spacing nozzle between 35cm and 50 cm)
- > **Recommended pressure on sprayer boom : 3 bar**
- > **Recommended pressure for Orchard or Vineyard : 10 bar**
- > Information about droplets size (see page 5)

FLOW RATE CHART

| Colour | ISO code | Mesh | (bar) | l / mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | | | |
|--------|--------------------|------|-------|--------|--|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| | | | | | 4 km / h | 5 km / h | 6 km / h | 8 km / h | 9 km / h | 10 km / h | 12 km / h | 14 km / h | 16 km / h | 18 km / h | 20 km / h | | |
| GREEN | ATF 80 015 | 100 | 3 | 0,60 | 180 | 144 | 120 | 90 | 80 | 72 | 60 | 51 | 45 | 40 | 36 | | |
| | | | 4 | 0,69 | 207 | 166 | 138 | 104 | 92 | 83 | 69 | 59 | 52 | 46 | 41 | | |
| | | | 5 | 0,77 | 231 | 185 | 154 | 116 | 103 | 92 | 77 | 66 | 58 | 51 | 46 | | |
| YELLOW | ATF 80 02 60 02 | 100 | 3 | 0,80 | 240 | 192 | 160 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 48 | | |
| | | | 4 | 0,91 | 276 | 221 | 184 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | | |
| | | | 5 | 1,03 | 309 | 247 | 206 | 155 | 137 | 124 | 103 | 88 | 77 | 69 | 62 | | |
| PURPLE | ATF 80 025 | 50 | 3 | 1,00 | 300 | 240 | 200 | 150 | 133 | 120 | 100 | 86 | 75 | 67 | 60 | | |
| | | | 4 | 1,15 | 345 | 276 | 230 | 173 | 153 | 138 | 115 | 99 | 86 | 77 | 69 | | |
| | | | 5 | 1,29 | 387 | 310 | 258 | 194 | 172 | 155 | 129 | 111 | 97 | 86 | 77 | | |
| BLUE | ATF 80 03 60 03 | 50 | 3 | 1,20 | 360 | 288 | 240 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 72 | | |
| | | | 4 | 1,39 | 417 | 334 | 278 | 209 | 185 | 167 | 139 | 119 | 104 | 93 | 83 | | |
| | | | 5 | 1,55 | 465 | 372 | 310 | 233 | 207 | 186 | 155 | 133 | 116 | 103 | 93 | | |
| RED | ATF 80 04 60 04 | 50 | 3 | 1,60 | 480 | 384 | 320 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 96 | | |
| | | | 4 | 1,85 | 555 | 444 | 370 | 278 | 247 | 222 | 185 | 159 | 139 | 123 | 111 | | |
| | | | 5 | 2,07 | 621 | 497 | 414 | 311 | 276 | 248 | 207 | 177 | 155 | 138 | 124 | | |
| BROWN | ATF 80 05 60 05 | 50 | 3 | 2 | 600 | 480 | 400 | 300 | 267 | 240 | 200 | 171 | 150 | 133 | 120 | | |
| | | | 4 | 2,31 | 693 | 554 | 462 | 347 | 308 | 277 | 231 | 198 | 173 | 154 | 139 | | |
| | | | 5 | 2,58 | 774 | 619 | 516 | 387 | 344 | 310 | 258 | 221 | 194 | 172 | 155 | | |

NEW
Angle of 60°
Yellow (60 02)
Blue (60 03)
Red (60 04)
Brown (60 05)

APPLICATIONS

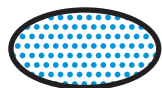
For fungicides and insecticides. Recommended for orchard and vineyards. Recommended to work on a dense vegetation.



3-20 bar



60°/80°



| Pressure (bar) | litres / mn | | | | | |
|----------------|--------------|--------------|---------------|------------|-----------|-------------|
| | GREEN 80-015 | YELLOW 80-02 | PURPLE 80-025 | BLUE 80-03 | RED 80-04 | BROWN 80-05 |
| 3 | 0,60 | 0,80 | 1,00 | 1,20 | 1,60 | 2,00 |
| 4 | 0,69 | 0,91 | 1,15 | 1,39 | 1,85 | 2,31 |
| 5 | 0,77 | 1,03 | 1,29 | 1,55 | 2,07 | 2,58 |
| 6 | 0,85 | 1,13 | 1,41 | 1,70 | 2,26 | 2,83 |
| 7 | 0,92 | 1,22 | 1,53 | 1,83 | 2,44 | 3,06 |
| 8 | 0,98 | 1,31 | 1,63 | 1,96 | 2,61 | 3,27 |
| 9 | 1,04 | 1,39 | 1,73 | 2,08 | 2,77 | 3,46 |
| 10 | 1,10 | 1,46 | 1,83 | 2,19 | 2,92 | 3,65 |
| 11 | 1,15 | 1,53 | 1,91 | 2,30 | 3,06 | 3,83 |
| 12 | 1,2 | 1,6 | 2,00 | 2,40 | 3,20 | 4,00 |
| 13 | 1,25 | 1,67 | 2,08 | 2,50 | 3,33 | 4,16 |
| 14 | 1,30 | 1,73 | 2,16 | 2,59 | 3,46 | 4,32 |
| 15 | 1,34 | 1,79 | 2,24 | 2,68 | 3,58 | 4,47 |
| 16 | 1,39 | 1,85 | 2,31 | 2,77 | 3,70 | 4,62 |
| 17 | 1,43 | 1,90 | 2,38 | 2,86 | 3,81 | 4,76 |
| 18 | 1,47 | 1,96 | 2,45 | 2,94 | 3,92 | 4,90 |
| 19 | 1,51 | 2,01 | 2,52 | 3,02 | 4,03 | 5,03 |
| 20 | 1,55 | 2,07 | 2,58 | 3,10 | 4,13 | 5,16 |
| 21 | 1,59 | 2,12 | 2,65 | 3,17 | 4,23 | 5,29 |
| 22 | 1,62 | 2,17 | 2,71 | 3,25 | 4,33 | 5,42 |
| 23 | 1,66 | 2,22 | 2,77 | 3,32 | 4,43 | 5,54 |
| 24 | 1,70 | 2,26 | 2,83 | 3,39 | 4,53 | 5,66 |
| 25 | 1,73 | 2,31 | 2,89 | 3,46 | 4,62 | 5,77 |

ORCHARD VINEYARD



ALBUZ

catalog 2019

Air Induction Hollow Cone spray nozzle

TVI 80°



ISO colour code

SPECIFIC CHARACTERISTICS

- > Easy dismantling for a good cleaning.
- > 3 ceramic components for more wear resistance.
- > Can be used on a boom from a pressure of 5 bar using a special bayonette cap.
- > Compact size: length 19 mm.
- > Model 80 0050: recommended pressure from 7 bar.
- > **Recommended pressure: 10 bar.**
- > Information about droplets size (see page 5)

MAIN CHARACTERISTICS

- > 80° angle at 5 bar.
- > Air-induction hollow cone nozzle (Venturi system) spraying large drops filled with air bubbles which do not drift and explode into fine droplets in contact with the plant.
- > ALBUZ® durable pink ceramic allows high spraying pressures to be used while maintaining performance and precision.

NEW
3 low pressure nozzles
Purple, pink and orange

IMPORTANT ! Use 200 mesh nozzle filters for models 80 0050 - 80 0075 and 100 mesh filters for the other sizes.

FLOW RATE CHART (L/MIN)

| bar | LILAC 80-0050 | PINK 80-0075 | ORANGE 80-01 | GREEN 80-015 | YELLOW 80-02 | PURPLE 80-025 | BLUE 80-03 | RED 80-04 |
|-----|---------------|--------------|--------------|--------------|--------------|---------------|------------|-----------|
| | | | | | | | | |
| 3 | 0,20 | 0,30 | 0,40 | - | - | - | - | - |
| 4 | 0,23 | 0,35 | 0,46 | - | - | - | - | - |
| 5 | 0,26 | 0,39 | 0,52 | 0,77 | 1,03 | 1,29 | 1,55 | 2,07 |
| 6 | 0,28 | 0,42 | 0,57 | 0,85 | 1,13 | 1,41 | 1,70 | 2,26 |
| 7 | 0,31 | 0,46 | 0,61 | 0,92 | 1,22 | 1,53 | 1,83 | 2,44 |
| 8 | 0,33 | 0,49 | 0,65 | 0,98 | 1,31 | 1,63 | 1,96 | 2,61 |
| 9 | 0,35 | 0,52 | 0,69 | 1,04 | 1,39 | 1,73 | 2,08 | 2,77 |
| 10 | 0,37 | 0,55 | 0,73 | 1,10 | 1,46 | 1,83 | 2,19 | 2,92 |
| 11 | 0,38 | 0,57 | 0,77 | 1,15 | 1,53 | 1,91 | 2,30 | 3,06 |
| 12 | 0,40 | 0,60 | 0,80 | 1,2 | 1,6 | 2,00 | 2,40 | 3,20 |
| 13 | 0,42 | 0,62 | 0,83 | 1,25 | 1,67 | 2,08 | 2,50 | 3,33 |
| 14 | 0,43 | 0,65 | 0,86 | 1,30 | 1,73 | 2,16 | 2,59 | 3,46 |
| 15 | 0,45 | 0,67 | 0,89 | 1,34 | 1,79 | 2,24 | 2,68 | 3,58 |
| 16 | 0,46 | 0,69 | 0,92 | 1,39 | 1,85 | 2,31 | 2,77 | 3,70 |
| 17 | 0,48 | 0,71 | 0,95 | 1,43 | 1,90 | 2,38 | 2,86 | 3,81 |
| 18 | 0,49 | 0,73 | 0,98 | 1,47 | 1,96 | 2,45 | 2,94 | 3,92 |
| 19 | 0,50 | 0,75 | 1,01 | 1,51 | 2,01 | 2,52 | 3,02 | 4,03 |
| 20 | 0,52 | 0,77 | 1,03 | 1,55 | 2,07 | 2,58 | 3,10 | 4,13 |
| 21 | 0,53 | 0,79 | 1,06 | 1,59 | 2,12 | 2,65 | 3,17 | 4,23 |
| 22 | 0,54 | 0,81 | 1,08 | 1,62 | 2,17 | 2,71 | 3,25 | 4,33 |
| 23 | 0,55 | 0,83 | 1,11 | 1,66 | 2,22 | 2,77 | 3,32 | 4,43 |
| 24 | 0,57 | 0,85 | 1,13 | 1,70 | 2,26 | 2,83 | 3,39 | 4,53 |
| 25 | 0,58 | 0,87 | 1,15 | 1,73 | 2,31 | 2,89 | 3,46 | 4,62 |

APPLICATIONS

For fungicide and insecticide treatments. Recommended for orchard and vineyards.



3-20 bar



80°





AVI 80° Air induction flat spray nozzle

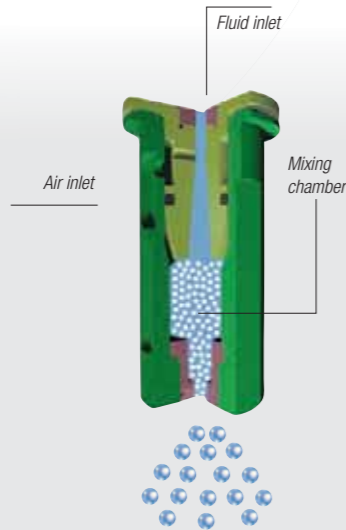
MAIN CHARACTERISTICS

- > Designed to be used over a wide range of pressures (from 10 to 20 bar).
- > Pink ALBUZ® ceramic orifice with excellent precision and high wear resistance.
- > Flat fan pattern, angle of 80° at 3 bars.
- > Can be used for treatments up to 8 metres height.

SPECIFIC CHARACTERISTICS

- > Air induction nozzle (Venturi System): sprays large droplets charged with air bubbles, which minimise drift, burst on impact with the target, spreading fine droplets over the plant surfaces.
- > Increase retention of the product on the foliage, and reduce product losses to the ground.
- > Reduce dramatically the drift, while enhancing the number of "impacts" of product on the target, (excellent coverage of the treated zones)
- > Anti-clogging design and double air-intake orifices.
- > Compact design (length 28 mm) adapted to all booms and nozzle holders.
- > **Recommended operating pressures: between 10 and 14 bar.**
- > **Recommended pressure : 10 bar**

APPLICATIONS
Particularly recommended for the orchards treatments of systemic and contact products.



FLOW RATE CHART (l/min)

| Pressure (bar) | ORANGE 8001 | GREEN 80015 | YELLOW 8002 | PURPLE 80025 | BLUE 8003 | RED 8004 |
|----------------|-------------|-------------|-------------|--------------|-----------|----------|
| | G 1721 | G 1634 | G 1635 | | G 1636 | |
| | 100 Mesh | 100 Mesh | 100 Mesh | 50 Mesh | 50 Mesh | 50 Mesh |
| 10 | 0,73 | 1,10 | 1,46 | 1,83 | 2,19 | 2,92 |
| 11 | 0,77 | 1,15 | 1,53 | 1,91 | 2,30 | 3,06 |
| 12 | 0,80 | 1,20 | 1,60 | 2,00 | 2,40 | 3,20 |
| 13 | 0,83 | 1,25 | 1,67 | 2,08 | 2,50 | 3,33 |
| 14 | 0,86 | 1,30 | 1,73 | 2,16 | 2,59 | 3,46 |
| 15 | 0,89 | 1,34 | 1,79 | 2,24 | 2,68 | 3,58 |
| 16 | 0,92 | 1,39 | 1,85 | 2,31 | 2,77 | 3,70 |
| 17 | 0,95 | 1,43 | 1,90 | 2,38 | 2,86 | 3,81 |
| 18 | 0,98 | 1,47 | 1,96 | 2,45 | 2,94 | 3,92 |
| 19 | 1,01 | 1,51 | 2,01 | 2,52 | 3,02 | 4,03 |
| 20 | 1,03 | 1,55 | 2,07 | 2,58 | 3,10 | 4,13 |
| 21 | 1,06 | 1,59 | 2,12 | 2,65 | 3,17 | 4,23 |
| 22 | 1,08 | 1,62 | 2,17 | 2,71 | 3,25 | 4,33 |
| 23 | 1,11 | 1,66 | 2,22 | 2,77 | 3,32 | 4,43 |
| 24 | 1,13 | 1,70 | 2,26 | 2,83 | 3,39 | 4,53 |
| 25 | 1,15 | 1,73 | 2,31 | 2,89 | 3,46 | 4,62 |



10-20 bar



80°



Compact air induction flat spray nozzle CVI 80°

SPECIFIC CHARACTERISTICS

- > Air induction nozzle (Venturi System): sprays large droplets filled with air bubbles, which minimise drift and burst in contact with the target, spreading fine droplets over the plant surfaces.
- > Increase retention of the product on the foliage, and reduce product losses to the ground.
- > Reduce dramatically the drift, while enhancing the number of "impacts" of product on the target, (excellent coverage of the treated zones).
- > Anti-clogging design and double air-intake orifices.
- > Compact design (length 22 mm) adapted to all booms and nozzle holders.
- > Recommended operating pressures: between 10 and 14 bar.
- > **Recommended pressure: 10 bar.**

MAIN CHARACTERISTICS

- > Designed to be used over a wide range of pressures (from 10 to 20 bar).
- > Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- > Flat fan pattern, angle of 80° at 3 bars.
- > Can be used for treatments up to 8 metres height.

FLOW RATE CHART (l/min)

| Pressure (bar) | ORANGE 8001 | GREEN 80015 | YELLOW 8002 | PURPLE 80025 | BLUE 8003 | RED 8004 | NEW Nozzles | |
|----------------|-------------|-------------|-------------|--------------|-----------|----------|-------------|-----------|
| | G 1900 | G 1901 | G 1902 | | | | BROWN 8005 | GREY 8006 |
| | 100 Mesh | 100 Mesh | 100 Mesh | 50 Mesh | 50 Mesh | 50 Mesh | 50 Mesh | 50 Mesh |
| 10 | 0,73 | 1,10 | 1,46 | 1,83 | 2,19 | 2,92 | 3,65 | 4,38 |
| 11 | 0,77 | 1,15 | 1,53 | 1,91 | 2,30 | 3,06 | 3,83 | 4,60 |
| 12 | 0,80 | 1,20 | 1,60 | 2,00 | 2,40 | 3,20 | 4,00 | 4,80 |
| 13 | 0,83 | 1,25 | 1,67 | 2,08 | 2,50 | 3,33 | 4,16 | 5,00 |
| 14 | 0,86 | 1,30 | 1,73 | 2,16 | 2,59 | 3,46 | 4,32 | 5,18 |
| 15 | 0,89 | 1,34 | 1,79 | 2,24 | 2,68 | 3,58 | 4,47 | 5,37 |
| 16 | 0,92 | 1,39 | 1,85 | 2,31 | 2,77 | 3,70 | 4,62 | 5,54 |
| 17 | 0,95 | 1,43 | 1,90 | 2,38 | 2,86 | 3,81 | 4,76 | 5,71 |
| 18 | 0,98 | 1,47 | 1,96 | 2,45 | 2,94 | 3,92 | 4,90 | 5,88 |
| 19 | 1,01 | 1,51 | 2,01 | 2,52 | 3,02 | 4,03 | 5,03 | 6,04 |
| 20 | 1,03 | 1,55 | 2,07 | 2,58 | 3,10 | 4,13 | 5,16 | 6,20 |
| 21 | 1,06 | 1,59 | 2,12 | 2,65 | 3,17 | 4,23 | 5,29 | 6,35 |
| 22 | 1,08 | 1,62 | 2,17 | 2,71 | 3,25 | 4,33 | 5,42 | 6,50 |
| 23 | 1,11 | 1,66 | 2,22 | 2,77 | 3,32 | 4,43 | 5,54 | 6,65 |
| 24 | 1,13 | 1,70 | 2,26 | 2,83 | 3,39 | 4,53 | 5,66 | 6,79 |
| 25 | 1,15 | 1,73 | 2,31 | 2,89 | 3,46 | 4,62 | 5,77 | 6,93 |

APPLICATIONS
Particularly recommended for the application of systemic and contact products.



10-20 bar



80°





ORCHARD VINEYARD

catalog 2019 **ALBUZ**

DISC & CORE Ceramic hollow-cone nozzle

SPECIFIC CHARACTERISTICS

- ALBUZ® durable pink ceramic construction allows high spraying pressures to be used while maintaining performance and precision.
- Hollow cone nozzle spraying fine droplets.
- The combinations of Discs (AD) and Cores (AC) allow a wide choice of uses.

- Recommended pressure: 10 bar.**
- Information about droplets size (see page 5)

HOLLOW CONE TABLE

| Disc | Core | Orifice diameters | l / mn | | | | | | | | Angles | |
|------|-------|-------------------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--|
| | | | 3 bar | 4 bar | 5 bar | 6 bar | 10 bar | 15 bar | 20 bar | 10 bar | 20 bar | |
| AD 1 | AC 13 | 0,80 | 0,24 | 0,27 | 0,30 | 0,33 | 0,41 | 0,49 | 0,56 | 70° | 79° | |
| AD 2 | AC 13 | 1,02 | 0,31 | 0,35 | 0,39 | 0,42 | 0,53 | 0,64 | 0,73 | 87° | 97° | |
| AD 3 | AC 13 | 1,20 | 0,36 | 0,41 | 0,45 | 0,49 | 0,61 | 0,74 | 0,84 | 89° | 98° | |
| AD 4 | AC 13 | 1,56 | 0,45 | 0,52 | 0,57 | 0,62 | 0,78 | 0,93 | 1,06 | 99° | 103° | |
| AD 5 | AC 13 | 2,00 | 0,55 | 0,62 | 0,69 | 0,75 | 0,94 | 1,13 | 1,29 | 102° | 105° | |
| AD 1 | AC 23 | 0,80 | 0,28 | 0,32 | 0,35 | 0,38 | 0,48 | 0,57 | 0,65 | 66° | 74° | |
| AD 2 | AC 23 | 1,02 | 0,37 | 0,43 | 0,47 | 0,51 | 0,64 | 0,77 | 0,88 | 83° | 93° | |
| AD 3 | AC 23 | 1,20 | 0,44 | 0,51 | 0,56 | 0,61 | 0,76 | 0,92 | 1,04 | 84° | 92° | |
| AD 4 | AC 23 | 1,56 | 0,56 | 0,64 | 0,71 | 0,77 | 0,97 | 1,16 | 1,32 | 92° | 98° | |
| AD 5 | AC 23 | 2,00 | 0,72 | 0,82 | 0,91 | 0,99 | 1,24 | 1,49 | 1,70 | 96° | 99° | |
| AD 6 | AC 23 | 2,40 | 0,85 | 0,97 | 1,07 | 1,16 | 1,46 | 1,75 | 2,00 | 99° | 101° | |
| AD 1 | AC 25 | 0,80 | 0,41 | 0,46 | 0,51 | 0,55 | 0,70 | 0,84 | 0,95 | 50° | 60° | |
| AD 2 | AC 25 | 1,02 | 0,59 | 0,67 | 0,74 | 0,80 | 1,01 | 1,21 | 1,38 | 57° | 66° | |
| AD 3 | AC 25 | 1,20 | 0,72 | 0,81 | 0,90 | 0,98 | 1,23 | 1,48 | 1,68 | 63° | 69° | |
| AD 4 | AC 25 | 1,56 | 1,02 | 1,16 | 1,28 | 1,39 | 1,75 | 2,10 | 2,39 | 75° | 80° | |
| AD 5 | AC 25 | 2,00 | 1,41 | 1,60 | 1,77 | 1,92 | 2,42 | 2,90 | 3,30 | 77° | 80° | |
| AD 6 | AC 25 | 2,40 | 1,73 | 1,97 | 2,18 | 2,37 | 2,98 | 3,57 | 4,07 | 82° | 85° | |
| AD 7 | AC 25 | 2,80 | 2,07 | 2,36 | 2,61 | 2,83 | 3,57 | 4,28 | 4,87 | 88° | 91° | |
| AD 1 | AC 45 | 0,80 | 0,48 | 0,55 | 0,61 | 0,66 | 0,83 | 1,00 | 1,14 | 32° | 39° | |
| AD 2 | AC 45 | 1,02 | 0,73 | 0,83 | 0,92 | 1,00 | 1,26 | 1,51 | 1,72 | 46° | 53° | |
| AD 3 | AC 45 | 1,20 | 0,92 | 1,05 | 1,16 | 1,26 | 1,58 | 1,90 | 2,16 | 48° | 52° | |
| AD 4 | AC 45 | 1,56 | 1,35 | 1,54 | 1,70 | 1,85 | 2,32 | 2,79 | 3,17 | 59° | 60° | |
| AD 5 | AC 45 | 2,00 | 1,92 | 2,19 | 2,42 | 2,63 | 3,31 | 3,97 | 4,52 | 68° | 70° | |
| AD 6 | AC 45 | 2,40 | 2,46 | 2,79 | 3,09 | 3,35 | 4,22 | 5,07 | 5,77 | 72° | 75° | |
| AD 7 | AC 45 | 2,80 | 3,01 | 3,43 | 3,79 | 4,11 | 5,18 | 6,21 | 7,07 | 79° | 80° | |
| AD 1 | AC 46 | 0,80 | 0,55 | 0,62 | 0,69 | 0,75 | 0,94 | 1,13 | 1,29 | 23° | 27° | |
| AD 2 | AC 46 | 1,02 | 0,92 | 1,05 | 1,16 | 1,26 | 1,58 | 1,90 | 2,16 | 26° | 30° | |
| AD 3 | AC 46 | 1,20 | 1,20 | 1,37 | 1,51 | 1,64 | 2,06 | 2,48 | 2,82 | 30° | 30° | |
| AD 4 | AC 46 | 1,56 | 2,03 | 2,32 | 2,56 | 2,78 | 3,50 | 4,20 | 4,78 | 35 | 35 | |
| AD 5 | AC 46 | 2,00 | 3,11 | 3,54 | 3,91 | 4,24 | 5,34 | 6,41 | 7,30 | 40° | 42° | |
| AD 6 | AC 46 | 2,40 | 4,12 | 4,69 | 5,18 | 5,62 | 7,08 | 8,49 | 9,67 | 45 | 46 | |
| AD 7 | AC 46 | 3,23 | 5,49 | 6,40 | 7,10 | 7,84 | 10,16 | 12,43 | 14,33 | 55° | 53° | |

FULL CONE TABLE

| Disc | Core | Orifice diameters | l / mn | | | | | | | | Angles | |
|------|-------|-------------------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--|
| | | | 3 bar | 4 bar | 5 bar | 6 bar | 10 bar | 15 bar | 20 bar | 10 bar | 20 bar | |
| AD 1 | AC 31 | 0,80 | 0,53 | 0,61 | 0,67 | 0,73 | 0,92 | 1,10 | 1,25 | 39° | 39° | |
| AD 2 | AC 31 | 1,02 | 0,82 | 0,93 | 1,03 | 1,12 | 1,41 | 1,69 | 1,92 | 87° | 95° | |
| AD 3 | AC 31 | 1,20 | 0,87 | 0,99 | 1,10 | 1,19 | 1,50 | 1,80 | 2,05 | 65° | 62° | |
| AD 1 | AC 35 | 0,80 | 0,53 | 0,61 | 0,67 | 0,73 | 0,92 | 1,10 | 1,25 | 34° | 40° | |
| AD 2 | AC 35 | 1,02 | 0,92 | 1,05 | 1,16 | 1,26 | 1,58 | 1,90 | 2,16 | 39° | 39° | |
| AD 3 | AC 35 | 1,20 | 1,28 | 1,46 | 1,61 | 1,75 | 2,20 | 2,64 | 3,00 | 44° | 42° | |
| AD 4 | AC 35 | 1,56 | 2,08 | 2,37 | 2,62 | 2,84 | 3,58 | 4,30 | 4,89 | 77° | 72° | |
| AD 5 | AC 35 | 2,00 | 2,62 | 2,98 | 3,30 | 3,58 | 4,51 | 5,41 | 6,16 | 37° | 34° | |
| AD 2 | AC 56 | 1,02 | 0,88 | 1,00 | 1,11 | 1,20 | 1,52 | 1,82 | 2,07 | 21° | 20° | |
| AD 3 | AC 56 | 1,20 | 1,19 | 1,36 | 1,50 | 1,63 | 2,05 | 2,46 | 2,80 | 28° | 32° | |
| AD 4 | AC 56 | 1,56 | 2,05 | 2,33 | 2,58 | 2,8 | 3,52 | 4,23 | 4,81 | 35° | 38° | |
| AD 5 | AC 56 | 2,00 | 3,46 | 3,94 | 4,36 | 4,73 | 5,96 | 7,15 | 8,14 | 43° | 40° | |
| AD 6 | AC 56 | 2,10 | 5,11 | 5,82 | 6,43 | 6,98 | 8,78 | 10,54 | 12,00 | 56° | 49° | |
| AD 7 | AC 56 | 2,30 | 6,87 | 7,81 | 8,64 | 9,38 | 11,80 | 14,17 | 16,12 | 68° | 64° | |

APPLICATIONS

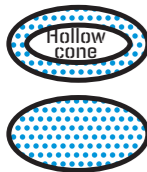
All types of treatments (herbicides, fungicides, insecticides ...)



3-20 bar



80°



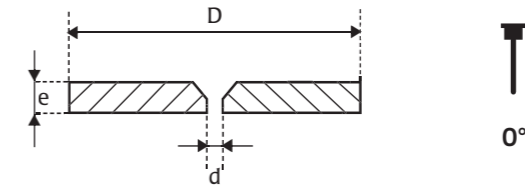
Full cone

ORCHARD VINEYARD



ALBUZ catalog 2019

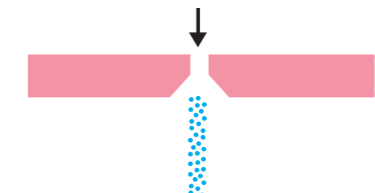
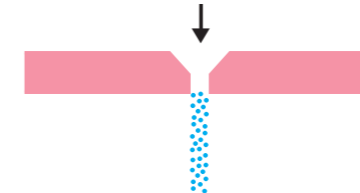
Metering Disc AMT



APPLICATIONS

ALBUZ ceramic characteristics allow spraying high pressures while maintaining performance and precision. Exist in several dimensions: diameters 7, 10, 12, 15 and 18mm.

| REF | 7010 | 7011 | 7012 | 7015 | 7018 | 7020 | 7023 | 15007 | 15008 | 15010 | 15012 | 15015 | 15018 | 15020 | 15023 | 15030 | 15040 | 15060 | 18008 | 18010 | 18012 | 18015 | 18018 | 18020 | 18023 |
|---------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| D (mm) | 7 | | | | | | | 15 | | | | | | | | | | | 18 | | | | | | |
| d* (mm) | 1,0 | 1,1 | 1,2 | 1,5 | 1,8 | 2,0 | 2,3 | 0,7 | 0,8 | 1,0 | 1,2 | 1,5 | 1,8 | 2,0 | 2,3 | 3,0 | 4,0 | 6,0 | 0,8 | 1,1 | 1,2 | 1,5 | 1,8 | 2,0 | 2,3 |
| e (mm) | 3,1 | | | | | | | 3,5 | | | | | | | | | | | 2,5 | | | | | | |



| bar | Liters / mn | | | | | | | | |
|-----|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | AMT ..007 | AMT ..008 | AMT ..010 | AMT ..012 | AMT ..015 | AMT ..018 | AMT ..020 | AMT ..023 | AMT ..040 |
| 2 | 0,42 | 0,54 | 0,91 | 1,14 | 1,88 | 2,54 | 3,09 | 3,98 | 12,28 |
| 3 | 0,51 | 0,66 | 1,10 | 1,39 | 2,27 | 3,12 | 3,77 | 4,91 | 15,06 |
| 4 | 0,59 | 0,75 | 1,25 | 1,60 | 2,60 | 3,60 | 4,35 | 5,70 | 17,40 |
| 5 | 0,65 | 0,83 | 1,38 | 1,78 | 2,89 | 4,03 | 4,86 | 6,40 | 19,46 |
| 10 | 0,91 | 1,15 | 1,89 | 2,51 | 3,99 | 5,70 | 6,85 | 9,17 | 27,56 |
| 15 | 1,10 | 1,39 | 2,27 | 3,06 | 4,82 | 6,98 | 8,37 | 11,31 | 33,78 |
| 20 | 1,27 | 1,59 | 2,59 | 3,52 | 5,51 | 8,06 | 9,65 | 13,13 | 39,03 |
| 30 | 1,54 | 1,92 | 3,11 | 4,30 | 6,65 | 9,88 | 11,80 | 16,20 | 47,84 |
| 50 | 1,96 | 2,43 | 3,91 | 5,52 | 8,44 | 12,76 | 15,20 | 21,12 | 61,83 |

| bar | Liters / mn | | | | | | | | |
|-----|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | AMT ..007 | AMT ..008 | AMT ..010 | AMT ..012 | AMT ..015 | AMT ..018 | AMT ..020 | AMT ..023 | AMT ..040 |
| 2 | 0,41 | 0,43 | 0,65 | 0,94 | 1,42 | 1,98 | 2,46 | 3,18 | 10,13 |
| 3 | 0,50 | 0,53 | 0,79 | 1,15 | 1,73 | 2,42 | 3,02 | 3,90 | 12,41 |
| 4 | 0,57 | 0,61 | 0,91 | 1,32 | 2,00 | 2,80 | 3,50 | 4,50 | 14,33 |
| 5 | 0,64 | 0,68 | 1,01 | 1,47 | 2,23 | 3,13 | 3,92 | 5,03 | 16,03 |
| 10 | 0,89 | 0,95 | 1,42 | 2,07 | 3,15 | 4,43 | 5,58 | 7,12 | 22,68 |
| 15 | 1,08 | 1,16 | 1,74 | 2,53 | 3,85 | 5,42 | 6,87 | 8,72 | 27,79 |
| 20 | 1,24 | 1,34 | 2,00 | 2,92 | 4,44 | 6,26 | 7,95 | 10,07 | 32,09 |
| 30 | 1,50 | 1,63 | 2,44 | 3,56 | 5,43 | 7,67 | 9,78 | 12,33 | 39,32 |
| 50 | 1,92 | 2,09 | 3,13 | 4,58 | 6,99 | 9,90 | 12,68 | 15,92 | 50,79 |

ISO

Specific body dimensions: 11 mm



ISO colour code

MSI

Wide Angle Flat spray nozzle



OTHER SPRAYINGS

catalog 2019 **ALBUZ**

MAIN CHARACTERISTICS

- Thanks to the exceptional wear resistance of Albuz pink ceramic, these nozzles can be used to spray suspension fertilizers.
- Flat jet (30° to 160° angle) providing coarse droplets without drift.
- Can be used on a sprayer boom (nozzle spacing : 1 m)
- Recommended pressure : 1 bar**

FLOW RATE CHART [l/min]

| bar | PURPLE - 025 | BLUE - 03 | RED - 04 | BROWN - 05 | GREY - 06 | WHITE - 08 | LIGHT BLUE - 010 | LIGHT GREEN - 015 |
|-----|--------------|-----------|----------|------------|-----------|------------|------------------|-------------------|
| 0.5 | 0,42 | 0,51 | 0,68 | 0,85 | 1,02 | 1,35 | 1,69 | 2,54 |
| 1 | 0,59 | 0,71 | 0,94 | 1,18 | 1,42 | 1,89 | 2,36 | 3,54 |
| 1.5 | 0,72 | 0,86 | 1,15 | 1,43 | 1,72 | 2,29 | 2,87 | 4,3 |
| 2 | 0,82 | 0,99 | 1,32 | 1,65 | 1,98 | 2,63 | 3,29 | 4,94 |
| 2.5 | 0,92 | 1,1 | 1,47 | 1,83 | 2,2 | 2,93 | 3,66 | 5,5 |
| 3 | 1 | 1,2 | 1,6 | 2 | 2,4 | 3,2 | 4 | 6 |
| 3.5 | 1,08 | 1,29 | 1,72 | 2,15 | 2,58 | 3,45 | 4,31 | 6,46 |
| 4 | 1,15 | 1,38 | 1,84 | 2,3 | 2,76 | 3,67 | 4,59 | 6,89 |

ANGLE CHART

| bar | PURPLE - 025 | BLUE - 03 | RED - 04 | BROWN - 05 | GREY - 06 | WHITE - 08 | LIGHT BLUE - 010 | LIGHT GREEN - 015 |
|-----|--------------|-----------|----------|------------|-----------|------------|------------------|-------------------|
| 1 | 96 | 96 | 96 | 104 | 108 | 117 | 133 | 150 |
| 1,5 | 103 | 103 | 104 | 110 | 114 | 122 | 140 | 154 |
| 2 | 107 | 108 | 111 | 114 | 118 | 127 | 142 | 156 |
| 3 | 112 | 113 | 116 | 116 | 124 | 132 | 144 | 160 |
| 4 | 116 | 116 | 121 | 122 | 128 | 135 | 147 | 162 |

NOZZLE COLOR SELECTION - RECOMMENDED PRESSURE [BAR]
NOZZLE SPACING 1 M

| water l/ha | Km / h | | | | | | | | | | | | | | | | |
|------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | | | | | | | | |
| 50 | | | | | 1,3 | 1,6 | 2,1 | 1,4 | 2,5 | 1,7 | | | | | | | |
| 75 | | | | 1,6 | 2,3 | 1,6 | 3 | 2,1 | 1,4 | 4 | | | | | | | |
| 100 | | | | 3 | 2,1 | 4,1 | 2,8 | 2,1 | 2,6 | 1,6 | 3,3 | 2,1 | 1,4 | 2,5 | 1,7 | | |
| 125 | 2,1 | | | 3,3 | 2,2 | 1,8 | 3,3 | 2,5 | 3,3 | 2,1 | 2,6 | 1,8 | 3,3 | 2,2 | 2,7 | | |
| 150 | 3 | | | 2,1 | 1,8 | 4,8 | 3,3 | 2,6 | 1,6 | 4,8 | 3,6 | 2,3 | 3 | 2,1 | 2,2 | | |
| 175 | | | | 2,8 | 2,5 | 1,6 | 3,6 | 2,3 | 1,6 | 3,1 | 2,8 | 1,2 | 2 | 1,6 | 2,5 | 1,9 | 3 |
| 200 | 2,1 | | | 3,3 | 2,1 | 1,4 | 3 | 2,1 | 2,8 | 1,6 | 2,1 | 1,6 | 2,6 | 2,1 | 3,3 | 2,5 | |
| 250 | 3,3 | 2,1 | | 3,3 | 2,2 | | 3,3 | 1,8 | 1,6 | 2,5 | 2,1 | 3,3 | 2,6 | 3,3 | 1,4 | 1,7 | |
| 300 | 3 | 2,1 | | 3,3 | 1,8 | 1,6 | 2,6 | 2,3 | 3,6 | 3 | 1,3 | 1,6 | 2,1 | 2,5 | | | |
| 350 | | 2,8 | 1,6 | 2,5 | 2,3 | 3,6 | 3,1 | 1,8 | 2,3 | 2,8 | 3,5 | | | | | | |
| 400 | | 3,7 | 2,1 | 2,1 | 3,3 | 3 | 1,8 | 2,3 | 3 | | | | | | | | |
| 450 | 1,6 | | 2,6 | 2,6 | | 1,6 | 2,3 | 3 | | | | | | | | | |
| 500 | 2,1 | | 3,3 | 3,3 | | 2,1 | 2,8 | | | | | | | | | | |
| 550 | 2,5 | | | 1,7 | 2,5 | 3,5 | | | | | | | | | | | |
| 600 | 3 | | | 2,1 | 3 | | | | | | | | | | | | |



0,5-4 bar



130°-160°



OTHER SPRAYINGS



catalog 2019 **ALBUZ**

MVI

Air induction Wide Angle Flat spray nozzle

Specific body dimensions: 11 mm



ISO colour code

SPECIFIC CHARACTERISTICS

- Air-induction spray nozzle (venturi system): sprays large drops filled with air bubbles, which do not drift and produce fine droplets on contact with the plant.
- Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- Anti-clogging design and double air-intake orifice.
- Easy dismantling for a good cleaning.
- Recommended pressure: 1,5 bar.**
- Use 100 mesh nozzle filters for models 80 015 and 80 02.

MAIN CHARACTERISTICS

- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- Flat fan pattern angle 130° to 160°.
- Big droplets with uniform distribution.
- Designed for all types of nozzles-holders, using the same cap as ALBUZ® APM nozzles.
- Full range with 10 models on ISO flow-rates.

NOZZLE COLOR SELECTION - RECOMMENDED PRESSURE [BAR]
NOZZLE SPACING 1 M

| Km/h | 4 | 6 | 8 | 10 | 12 | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|--|--|--|-----|
| 40 | | | 2,3 | 3,7 | 2 | 2,9 | 1,9 | | | | | | | | | | |
| 50 | | 2 | 3,7 | 2 | 3,2 | 2,1 | 3 | 2,1 | | | | | | | | | |
| 60 | | 2,9 | 1,6 | 2,9 | 1,9 | 3,5 | 2,4 | 2,1 | 1,6 | 3 | | | | | | | |
| 80 | 2,3 | | | 3 | 2,1 | 2,1 | 3,8 | 3,3 | 2 | 3 | 2 | | | | | | |
| 100 | 3,7 | 2 | | | | | | | | | | | | | | | |
| 120 | | 2,9 | 1,9 | 1,6 | 3 | 3 | 1,9 | 3 | 2 | 3 | 2 | 1,6 | | | | | |
| 140 | | 0 | 2,6 | 1,8 | 2,3 | | 2,6 | 1,8 | | 2,8 | 1,6 | | | | | | 2,3 |
| 160 | | 0 | 3,5 | 2,4 | 3 | 1,9 | 3,4 | 2,3 | | 3,7 | 2,1 | 1,9 | | | | | 3 |
| 180 | 1,6 | 0 | 2,9 | 3 | 3,8 | 2,4 | 1,6 | 3 | 1,6 | 1,6 | 2,6 | 2,4 | | | | | 3,8 |
| 200 | 2,1 | 0 | 3,6 | 3,8 | | 3 | 2 | | 3,7 | 2,1 | 2 | 3,3 | 3 | | | | |
| 220 | 2,5 | 1,6 | 4,4 | | 3,6 | 2,5 | 1,6 | | 2,5 | 2,5 | | 4 | | | | | |
| 240 | 3 | 1,9 | 5,2 | | | 3 | 1,6 | 1,9 | 3 | 3 | | | | | | | |
| 260 | 3,5 | 2,2 | 1,5 | | | 3,5 | 1,9 | 2,2 | 3,5 | 3,5 | | | | | | | |
| 280 | | 2,6 | 1,8 | | | | 2,3 | 2,6 | | | | | | | | | |
| 300 | | 3 | 2 | | 1,6 | | 2,6 | 3 | | | | | | | | | |
| 320 | | 3,4 | 2,3 | | 1,9 | | 3 | 3,4 | | | | | | | | | |
| 340 | | | 2,6 | 1,5 | 2,1 | | 3,4 | | | | | | | | | | |
| 360 | | | 3 | 1,6 | 2,4 | | | | | | | | | | | | |
| 380 | | | 3,3 | 1,8 | 2,7 | | | | | | | | | | | | |
| 400 | | | | 2,1 | 3 | | | | | | | | | | | | |

APPLICATIONS

All types of treatment (systemic and contact products) including liquid fertilizers.

FLOW RATE CHART [l/min]

| | GREEN 015 | YELLOW 02 | PURPLE 025 | BLUE 03 | RED 04 | BROWN 05 | GREY 06 | WHITE 08 | LIGHT BLUE 10 |
|-----|-----------|-----------|------------|---------|--------|----------|---------|----------|---------------|
| 1.5 | 0,43 | 0,57 | 0,72 | 0,86 | 1,15 | 1,43 | 1,72 | 2,29 | 2,87 |
| 2 | 0,49 | 0,66 | 0,82 | 0,99 | 1,32 | 1,65 | 1,98 | 2,63 | 3,29 |
| 2.5 | 0,55 | 0,73 | 0,92 | 1,1 | 1,47 | 1,83 | 2,2 | 2,93 | 3,66 |
| 3 | 0,6 | 0,8 | 1 | 1,2 | 1,6 | 2 | 2,4 | 3,2 | 4 |
| 3.5 | 0,65 | 0,86 | 1,08 | 1,29 | 1,72 | 2,15 | 2,58 | 3,45 | 4,31 |
| 4 | 0,69 | 0,92 | 1,15 | 1,38 | 1,84 | 2,3 | 2,76 | 3,67 | 4,59 |

ANGLE CHART

| bar | 1,5 | 2 | 3 |
|---------------|------|------|------|
| GREEN 015 | 130° | 135° | 140° |
| YELLOW 02 | 130° | 140° | 145° |
| PURPLE 025 | 135° | 145° | 150° |
| BLUE 03 | 135° | 140° | 150° |
| RED 04 | 140° | 150° | 155° |
| BROWN 05 | 140° | 150° | 155° |
| GREY 06 | 140° | 150° | 155° |
| WHITE 08 | 145° | 150° | 155° |
| LIGHT BLUE 10 | 145° | 155° | 160° |



1,5-4 bar



130°-160°



ISO

Specific body dimensions: 11 mm



ISO colour code

ESI 6 jets Fertilizer nozzle



OTHER SPRAYINGS

catalog 2019

ALBUZ

MAIN CHARACTERISTICS

- > Pink ALBUZ® ceramic calibrated orifice (excellent precision and high wear resistance),
- > ISO colour coded and flow rated but with an ALBUZ® 11 mm plastic body shape. Cap fitted with 7° to 10° offset angle from boom position,
- > Orifices: 6 streams providing very coarse droplets improving fertilizer distribution.
- > **Recommended pressure : 1.5 bar**

RECOMMENDATIONS

- > **The recommended boom height is 60 cm (23.6 inches) from the target; that is similar to the ISO 110° flat-fan nozzle height recommendations.**

FLOW RATE CHART [l/min]

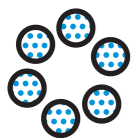
| bar | GREEN 015 | YELLOW 02 | PURPLE 025 | BLUE 03 | RED 04 | BROWN 05 | GREY 06 |
|-----|-----------|-----------|------------|---------|--------|----------|---------|
| 1 | 0,37 | 0,52 | 0,64 | 0,77 | 1,03 | 1,35 | 1,62 |
| 1,5 | 0,44 | 0,61 | 0,76 | 0,91 | 1,21 | 1,56 | 1,87 |
| 2 | 0,50 | 0,68 | 0,85 | 1,02 | 1,36 | 1,73 | 2,07 |
| 2,5 | 0,55 | 0,74 | 0,93 | 1,12 | 1,49 | 1,87 | 2,25 |
| 3 | 0,60 | 0,80 | 1,00 | 1,20 | 1,60 | 2,00 | 2,40 |
| 3,5 | 0,64 | 0,85 | 1,06 | 1,28 | 1,7 | 2,11 | 2,54 |
| 4 | 0,68 | 0,9 | 1,12 | 1,35 | 1,8 | 2,22 | 2,66 |

APPLICATIONS

liquid fertilizer application



1-4 bar



| l / ha | | Nozzle spacing : 50 cm | | | | | | |
|--------|----------|------------------------|-------------------------|-------------------------|-------------------|---------------------|-------------|---------|
| WATER | NITROGEN | 5 km/h | 7 km/h | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 15 km/h |
| 50 | 44 | | | | 1 | 1,3 | 2,0 | 3,3 1,6 |
| 75 | 66 | | 1,4 | 2 | 2,6 1,2 | 3,3 1,6 | 1,5 2,6 2,6 | 1,6 |
| 100 | 88 | 1,3 | 2,8 1,4 | 1,1 3,8 1,9 | 1,5 2,6 1,2 1,9 | 3,3 1,9 | 3 | 1,6 3,3 |
| 125 | 110 | 2,2 | 1,4 2,4 1,2 1,9 | 3,3 1,6 | 2,6 2,1 | 3,3 3,3 1,6 | | 2,8 1,5 |
| 150 | 132 | 3,3 1,6 | 1,3 2,1 3,8 1,9 | 3 | 2,5 1,2 4 3,3 1,6 | | 2,5 1,3 1,5 | 2,5 |
| 175 | 154 | 1,4 2,4 2,0 | 3,2 2,8 1,3 | 3,8 1,8 | | 2,4 1,2 3,8 2,1 2,3 | 3,8 | |
| 200 | 176 | 1,2 1,9 3,3 2,8 1,3 | 3,8 1,9 1 | 2,6 1,3 1,1 3,3 1,8 1,8 | 3,0 3,4 | | | |
| 250 | 220 | 2,1 1,0 3,3 | 2,4 1,2 1,1 3,3 1,8 1,5 | 2,5 2,0 | 3,4 3,4 | | | |
| 300 | 264 | 3,3 1,6 | 1,2 3,8 2,1 1,8 | 3,0 2,5 | 3,4 | | | |
| 350 | 308 | 2,4 1,2 1,9 | 3,2 2,8 | 3,9 | | | | |
| 400 | 352 | 1,1 3,3 1,8 2,8 | | | | | | |
| 450 | 396 | 1,5 | 2,5 | | | | | |
| 500 | 440 | 2 | 3,4 | | | | | |
| 550 | 484 | 2,6 | | | | | | |
| 600 | 528 | 1,1 1,8 | 2,3 1 | 3 1,3 | | | | |

OTHER SPRAYINGS



ALBUZ

catalog 2019

6 jets compact cap fertilizer nozzle

FESI



ISO colour code

ISO

RECOMMENDATIONS

- > The recommended boom height is 60 cm (23.6 inches) from the target; that is similar to the 110° flat fan nozzle (AXI / ADI/AVI).
- > **Recommended pressure : 1.5 bar**

MAIN CHARACTERISTICS

- > Pink AlbuZ ceramic calibrated orifice (excellent precision and high wear resistance)
- > ISO colour coded and flow rated.
- > Orifices : 6 streams providing very coarse droplets improving fertilizer distribution

NEW Nozzles

FLOW RATE CHART [l/min]

| bar | BROWN 05 | GREY 06 | WHITE 08 | LIGHT BLUE 010 | LIGHT GREEN 015 |
|-----|----------|---------|----------|----------------|-----------------|
| 1 | 1,35 | 1,62 | 1,91 | 2,39 | 3,58 |
| 1,5 | 1,56 | 1,87 | 2,31 | 2,89 | 4,33 |
| 2 | 1,73 | 2,07 | 2,64 | 3,31 | 4,96 |
| 2,5 | 1,87 | 2,25 | 2,94 | 3,67 | 5,51 |
| 3 | 2,00 | 2,40 | 3,20 | 4,00 | 6,00 |
| 3,5 | 2,11 | 2,54 | 3,44 | 4,3 | 6,45 |
| 4 | 2,22 | 2,66 | 3,66 | 4,58 | 6,87 |

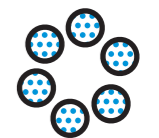
APPLICATIONS

liquid fertilizer application

| l / ha | | Nozzle spacing : 50 cm | | | | | | | | |
|--------|----------|------------------------|-------------|-------------|-----------|-------------|-----------------|---------------------|-----------|---------|
| WATER | NITROGEN | 5 km/h | 7 km/h | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 15 km/h | 18 km/h | 20 km/h |
| 50 | 44 | | | | | | | | | |
| 75 | 66 | | | | | | | | | |
| 100 | 88 | | | | | | | | | |
| 125 | 110 | | | | | | | 1,5 | | 1,2 |
| 150 | 132 | | | | | | 1,3 | 2,5 | 1,5 1,4 | 1,8 1,1 |
| 175 | 154 | | | | | | 2,1 1,2 | 3,8 1,3 | 2,3 2 1,2 | 2,5 1,5 |
| 200 | 176 | | | 1 | 1,3 | 1,8 | 1,1 3,0 1,8 1,1 | 1,8 1,1 3,4 2,6 1,6 | | 2 |
| 250 | 220 | | 1,2 | 1,8 1,1 | 2,5 1 | 1,5 3,4 1,2 | 2,0 3,4 1,8 1,1 | 2,9 1,8 | 2,6 | 1,4 |
| 300 | 264 | | 2,1 1,2 | 3,0 1,8 1,1 | 1,4 2,5 | 1,8 1,1 3,4 | 2,6 1,6 | 2,6 1,1 | 1,6 | 2 |
| 350 | 308 | 1,2 | 3,2 1,9 1,2 | 2,8 1,5 | 2 1,2 3,9 | 2,5 1,5 | | 2,3 1 | 1,5 | 2,3 2,8 |
| 400 | 352 | 1,8 1,1 | 2,8 1,5 | 1,3 2 | 2,6 1,6 | | 2 | 3 1,3 | 2 | 3 |
| 450 | 396 | 2,5 1,5 1 | 1,2 2 | 1,6 2,6 | 2,1 | 2,6 1,1 | | 1,6 | 2,6 | |
| 500 | 440 | 3,4 2 1,2 | 1,5 2,5 | 2 | 2,6 1,1 | | 1,4 | 2 | | |
| 550 | 484 | 2,6 1,5 | 1,9 3 | 2,5 1,1 | | 1,4 | | 1,7 | 2,5 | |
| 600 | 528 | 1,1 1,8 | 2,3 1 | 3 1,3 | | 1,6 | | 2 | 3 | |



1-4 bar





OCI Off center nozzle

MAIN CHARACTERISTICS

- › Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- › Flat fan pattern angle 80°.
- › Improves applications near sensitive areas: water courses, field edges... (see graphs below).
- › Designed for all types of nozzle holders, using the same cap as ALBUZ® APE nozzles.
- › All types of treatments (pesticides, insecticides, herbicides, etc)
- › **Recommended pressure: 2 bar.**

FLOW RATE CHART

| Colour | ISO code | Mesh | (bar) | l / mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | | | | | |
|--------|----------|------|-------|--------|--|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|-----|--|--|
| | | | | | 4 km/h | 5 km/h | 6 km/h | 7 km/h | 8 km/h | 9 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h | | | |
| YELLOW | OCI 8002 | 100 | Mesh | 2 | 0,65 | 195 | 156 | 130 | 111 | 98 | 87 | 78 | 65 | 56 | 49 | 43 | 39 | | |
| | | | | 3 | 0,80 | 240 | 192 | 160 | 137 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 48 | | |
| | | | | 4 | 0,91 | 273 | 218 | 182 | 156 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | | |
| BLUE | OCI 8003 | 50 | Mesh | 2 | 0,98 | 294 | 235 | 196 | 168 | 147 | 131 | 118 | 98 | 84 | 74 | 65 | 59 | | |
| | | | | 3 | 1,20 | 360 | 288 | 240 | 206 | 180 | 160 | 144 | 120 | 103 | 90 | 80 | 72 | | |
| | | | | 4 | 1,39 | 417 | 334 | 278 | 238 | 209 | 185 | 167 | 139 | 119 | 104 | 93 | 83 | | |
| RED | OCI 8004 | 50 | Mesh | 2 | 1,31 | 393 | 314 | 262 | 225 | 197 | 175 | 157 | 131 | 112 | 98 | 87 | 79 | | |
| | | | | 3 | 1,60 | 480 | 384 | 320 | 274 | 240 | 213 | 192 | 160 | 137 | 120 | 107 | 96 | | |
| | | | | 4 | 1,85 | 555 | 444 | 370 | 317 | 278 | 247 | 222 | 185 | 159 | 139 | 123 | 111 | | |

APPLICATIONS

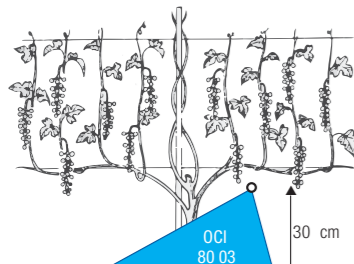
All types of treatments (systemic and contact products) including fertilizers.



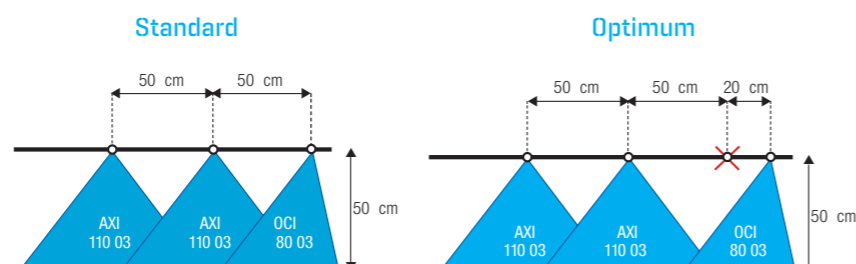
2-4 bar



TREATMENT ON PLANTS



TREATMENT ON BOOM



CVI-OC Compact Air induction off center spray nozzle

SPECIFIC CHARACTERISTICS

- › Air Induction spray nozzles (Venturi system): spray large drops filled with air bubbles, which do not drift and produce fine droplets in contact with the plant.
- › Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of treated zone)
- › Improve applications near sensitive areas when used on boom end (see picture 1)
- › Optimize quality application when used on boom end - 20 cm (see picture 2)
- › **Recommended pressure : 2 bar**

MAIN CHARACTERISTICS

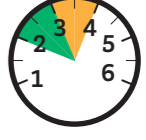
- › Designed to be used over a wide range of pressures (from 1.5 bar to 3 bar)
- › Pink AlbuZ ceramic orifice (excellent precision and high wear resistance)
- › Flat fan pattern , 80° spray angle
- › Designed for all types of nozzle holders using the same cap as AXI nozzle.

FLOW RATE CHART

| Colour | ISO code | Mesh | (bar) | l / mn | Liters / hectare - Nozzle spacing: 50 cm | | | | | | | | | | | | | | |
|--------|------------|------|-------|--------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|----|--|--|--|
| | | | | | 9 km / h | 10 km / h | 12 km / h | 14 km / h | 16 km / h | 18 km / h | 20 km / h | 22 km / h | 24 km / h | 26 km / h | | | | | |
| YELLOW | CVI 80 02 | 100 | Mesh | 1,5 | TG | 0,57 | 76 | 68 | 57 | 49 | 43 | 38 | 34 | 31 | 29 | 26 | | | |
| | | | | 2 | TG | 0,66 | 88 | 79 | 66 | 57 | 50 | 44 | 44 | 35 | 33 | 30 | | | |
| | | | | 2,5 | TG | 0,73 | 97 | 88 | 73 | 63 | 55 | 49 | 48 | 40 | 37 | 34 | | | |
| | | | | 3 | G | 0,80 | 107 | 96 | 80 | 69 | 60 | 53 | 52 | 44 | 40 | 37 | | | |
| PURPLE | CVI 80 025 | 50 | Mesh | 1,5 | TG | 0,71 | 95 | 85 | 71 | 61 | 53 | 47 | 35 | 39 | 36 | 33 | | | |
| | | | | 2 | TG | 0,82 | 109 | 98 | 82 | 70 | 62 | 55 | 49 | 45 | 41 | 38 | | | |
| | | | | 2,5 | G | 0,91 | 121 | 109 | 91 | 78 | 68 | 61 | 55 | 50 | 46 | 42 | | | |
| | | | | 3 | G | 1,00 | 133 | 120 | 100 | 86 | 75 | 67 | 60 | 55 | 50 | 46 | | | |
| BLUE | CVI 80 03 | 50 | Mesh | 1,5 | TG | 0,85 | 113 | 102 | 85 | 73 | 64 | 57 | 51 | 46 | 43 | 39 | | | |
| | | | | 2 | TG | 0,98 | 131 | 118 | 98 | 84 | 74 | 65 | 66 | 53 | 49 | 45 | | | |
| | | | | 2,5 | G | 1,10 | 147 | 132 | 110 | 94 | 83 | 73 | 72 | 60 | 55 | 51 | | | |
| | | | | 3 | G | 1,20 | 160 | 144 | 120 | 103 | 90 | 80 | 78 | 65 | 60 | 55 | | | |

APPLICATIONS

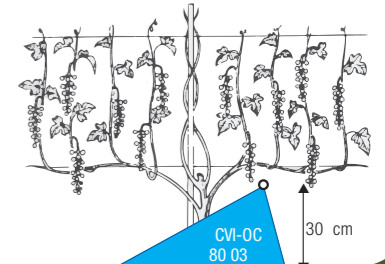
All types of treatments (systemic and contact products) including fertilizers.



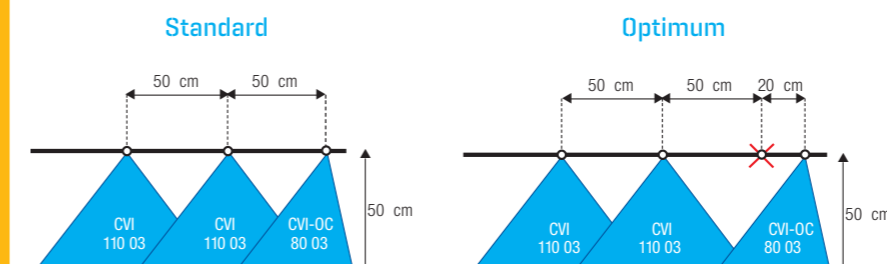
2-4 bar



TREATMENT ON PLANTS



TREATMENT ON BOOM





MISTING

NEW
Nozzle

catalog 2019

ALBUZ



NAF

Hollow cone or full cone misting nozzle

MAIN CHARACTERISTICS

- > High performance ceramic and plastic body POM - Polyacetal (Excellent precision and high wear resistance)
- > Recommended for several applications such as humidification, fine particles reduction, odour control
- > Adaptable on PVC connectors

SPECIFIC CHARACTERISTICS

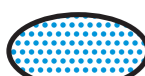
- > The nozzles have a hollow cone jet or a full cone jet
- > NAF misting nozzles are suitable for pressures from 5 to 30 bars included
- > Easy assembly and cleaning
- > Removable 50 µm filter
- > Sealing materials: nitrile

APPLICATIONS

Particularly recommended to refresh people and animals. Tender fruits and vegetables cleaning



5-30 bar



full cone

HOLLOW CONE CHART

| Pressure (bar) | BLACK NAF | | WHITE NAF | |
|----------------|--------------------|-------|-----------|-------|
| | Flow rate (ml/min) | Angle | Flow rate | Angle |
| 5 | - | - | 50 | 70° |
| 7 | - | - | 55 | 75° |
| 10 | - | - | 65 | 80° |
| 15 | - | - | 75 | 80° |
| 20 | 50 | 80° | 85 | 80° |
| 25 | 60 | 80° | 95 | 80° |
| 30 | 70 | 80° | 103 | 80° |



FULL CONE CHART

| Pressure (bar) | BLUE NAF | | GREY NAF | | GREEN NAF | | ORANGE NAF | |
|----------------|-----------|-------|-----------|-------|-----------|-------|------------|-------|
| | Flow rate | Angle | Flow rate | Angle | Flow rate | Angle | Flow rate | Angle |
| 5 | - | - | - | - | - | - | 130 | 80° |
| 7 | - | - | 63 | 60° | 100 | 80° | 170 | 90° |
| 10 | 50 | 50° | 70 | 80° | 130 | 89° | 220 | 90° |
| 15 | 60 | 70° | 95 | 88° | 165 | 89° | 295 | 93° |
| 20 | 83 | 75° | 118 | 92° | 195 | 92° | 345 | 93° |
| 25 | 93 | 75° | 133 | 96° | 220 | 96° | 398 | 93° |
| 30 | 100 | 77° | 148 | 96° | 243 | 96° | 435 | 93° |

MISTING



NEW
Nozzle

ALBUZ

catalog 2019

Full cone 1/8 misting nozzle

TAM



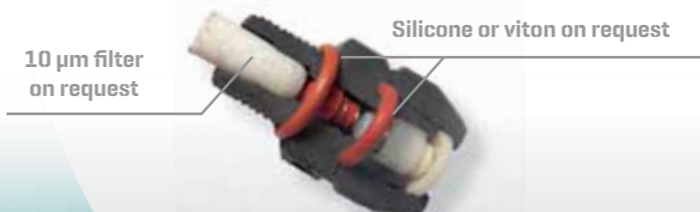
SPECIFIC CHARACTERISTICS

- > TAM misting nozzles are suitable for pressures from 5 to 30 bars included
- > Easy assembly and cleaning
- > Removable filter made of sintered resin (50 µm).
- > Sealing materials: nitrile

MAIN CHARACTERISTICS

- > High-performance ceramics and plastic POM body - Polyacetal (Excellent precision and high wear resistance)
- > Recommended for several applications such as humidification, fine particles reduction, odour control.
- > 1/8 NPT thread

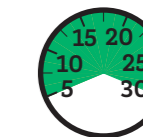
SECTIONAL VIEW



APPLICATIONS

Particularly recommended to refresh people and animals. Tender fruits and vegetables cleaning

| Pression (bar) | YELLOW TAM | | BLACK TAM | | BLUE TAM | | RED TAM | | GREY TAM | | GREEN TAM | | ORANGE TAM | |
|----------------|--------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|------------|-------|
| | Flow rate (ml/min) | Angle | Flow rate | Angle | Flow rate | Angle | Flow rate | Angle | Flow rate | Angle | Flow rate | Angle | Flow rate | Angle |
| 5 | - | - | - | - | 22 | 35° | 41 | 55° | - | - | 78 | 55° | 137 | 65° |
| 8 | 20 | 30° | 25 | 56° | 31 | 57° | 53 | 67° | 68 | 77° | 118 | 80° | 185 | 80° |
| 10 | 23 | 47° | 29 | 62° | 35 | 65° | 60 | 75° | 78 | 80° | 137 | 90° | 214 | 83° |
| 12 | 26 | 55° | 33 | 64° | 39 | 67° | 66 | 75° | 87 | 85° | 153 | 94° | 238 | 90° |
| 15 | 29 | 60° | 37 | 70° | 44 | 70° | 74 | 78° | 99 | 89° | 176 | 94° | 269 | 91° |
| 18 | 33 | 65° | 42 | 75° | 49 | 73° | 80 | 80° | 109 | 91° | 194 | 94° | 298 | 92° |
| 20 | 35 | 68° | 44 | 75° | 52 | 77° | 84 | 80° | 116 | 91° | 206 | 94° | 317 | 92° |
| 25 | 40 | 72° | 51 | 75° | 59 | 77° | 94 | 82° | 130 | 92° | 234 | 94° | 359 | 94° |
| 30 | 44 | 76° | 56 | 75° | 65 | 77° | 102 | 85° | 142 | 92° | 257 | 94° | 394 | 96° |



5-30 bar



ALBUZ

catalog 2019

 Various components

Find our range on www.albuz-spray.com

NOZZLE BLISTER PACKAGING

This packaging has been especially designed for self-service. Nozzles are packed in blisters of 8 pieces except for AVI-OC models and OCI (2 nozzles per blister). On the back of the cardboard label you will find the flow rate chart.



NOZZLE CLEANING BRUSH

THE MAINTENANCE OF YOUR NOZZLES IS ESSENTIAL. WHILE PROTECTING YOUR NOZZLES, YOU SAVE MONEY AND TIME.

WINTERIZING

Do not forget to clean your nozzles before winter.

UNCLOGGING

Remove the nozzles from the nozzle holder and brush them with our ALBUZ® nozzle cleaning brush (important: do not use metal materials such as a knife or wire, it would damage the nozzle).

CLEANING

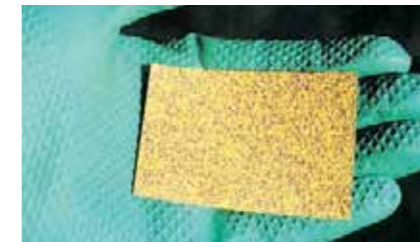
Blow compressed air into the nozzle (do not blow with your mouth). Rinse the nozzles using a descaling agent (e.g. Antikal).

After cleaning, ALBUZ® nozzles will be in perfect condition for the next use.



WATER SENSITIVE PAPER

The special coating of hydro sensitive papers will enable you to evaluate spray coverage and the density of droplets. You can then check the spraying quality of your nozzles.



| Water sensitive paper | | |
|-----------------------|---------------|-------------------|
| Reference | Paper size | Quantity per pack |
| 039 547 | 76 mm x 26 mm | 50 cards |
| 039 548 | 76 mm x 52 mm | 50 cards |

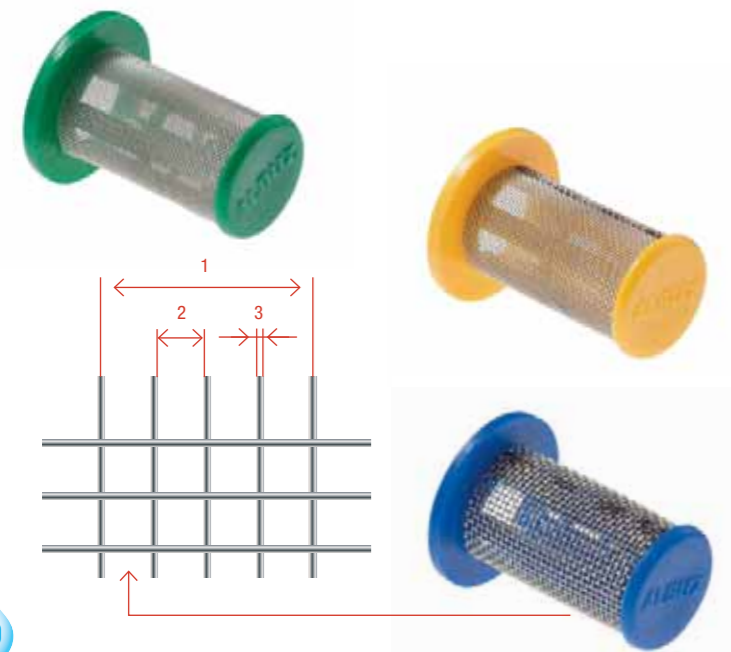
FILTERS

FILTERS PROTECT

A clogged or partially clogged nozzle will be less efficient in spraying your treatments, because it changes the nozzle flowrate and spray pattern. Please ensure that you select the correct filter to use with the specific nozzles you are using, as per our recommendations.

FILTER CHOICE

There are various models of filters. You will find information in the chart to help you to choose the correct filter.



| Presentation of filter models according to ISO 19 732 standard | | |
|--|-------------------------------|---|
| Colour | Number of wires per inch* (1) | spacing between wires (2) X Diameter of wire (mesh) (3) |
| Red | 25/30 | 0,45 x 0,32 |
| | | 0,63 x 0,16 |
| Blue | 50/60 | 0,28 x 0,22 |
| | | 0,35 x 0,18 |
| Yellow | 80 | 0,18 x 0,14 |
| | | 0,23 x 0,10 |
| Green | 100 | 0,14 x 0,11 |
| | | 0,18 x 0,08 |
| Pink | 200 | 0,07 x 0,06 |
| | | 0,08 x 0,05 |

TAM MISTING ACCESSORIES



Female nozzle holders 1/8" for the ends of line utilization with nylon tube 3/8"
Lightweight and easy to assemble



Male connector / male 1/8" NPT



The butterfly nut 3/8" is an essential accessory to fix and close the tube during the assembly of nozzle expansions



Butterfly caps 3/8" are used for the end of line closure



Cap 1/8" NPT
Enables a fast and safe installation without using welds nor seals



Medium pressure nylon tube 3/8"
(up to 30 bars)
Flexible and resistant to bending



T lead connector
Has a female thread 1/8" and pipe connectors 3/8".
Lightweight and easy to assemble



T lead connector
Connectors for pipes 3/8"
Lightweight and easy to assemble

ALBUZ

SPRAYER CALIBRATION

FIELD CROP SPRAYERS

Driving speed (km/h) =

$$\frac{\text{Distance (m)} \times 3,6}{\text{Time (s)}}$$

Required pressure (bar) =

$$\left(\frac{\text{Required output (l/min)}}{\text{Known output (l/min)}} \right)^2 \times \text{Known pressure (bar)}$$

Application volume (l/ha) =

$$\frac{600 \times \text{l/min (per nozzle)}}{\text{Nozzle spacing (m)} \times \text{km/h}}$$

Nozzle output =

$$\frac{\text{Nozzle spacing (m)} \times \text{l/ha} \times \text{km/h}}{600}$$

AIR ASSISTED SPRAYERS

Determination the size of the nozzles

To determine the total application volume of the nozzles, you first have to establish the speed of the sprayers and the volume per hectare from the chemical manufacturers recommendations on the product label

TOTAL L/MIN =

$$\frac{\text{Row width (m)} \times \text{l/ha} \times \text{km/h}}{600}$$

This amount has to be divided between all the nozzles in function on the mistblower.

CONVERSION FACTORS

| | Pressure | Flow rate | Volume | Length | Speed |
|-------------------|-----------|-----------|----------|-----------|--------------|
| Unit | 1 bar | 1 l/min | 1 l/hac | 1 cm | 1 km/h |
| US metrics | 14,51 PSI | 0,26 GPM | 0,11 GPA | 0,39 inch | 0,62 mille/h |

LIQUID FERTILIZERS

Flow rate charts in this catalogue are based on clean water. In order to determine the volume of liquid fertilizer per hectare, use the appropriate conversion factor so as to adapt it to our flow rate charts. Multiply the required flow rate of liquid (in l per min) by the conversion factor of water. The new flow rate obtained in l per min will be found in the flow rate chart; from that value one can find the appropriate nozzle. For example: 150 l/ha of a nitrogen solution at 1.28 kg/l x 1.13 = 170 l/ha of water.

| Density - kg/l | Conversion factors |
|-----------------|--------------------|
| 1,00 - WATER | 1,00 |
| 1,08 | 1,04 |
| 1,20 | 1,10 |
| 1,28 - NITROGEN | 1,13 |

NOZZLE CROSS-REFERENCE CHART

| ALBUZ | agrotop | HYPRO | LECHER | TeeJet |
|---|-----------|---------------|--------|-----------|
|  AXI 80°/110° | SPRAY MAX | VP | LU-C | XR |
|  ADI 110° | | LOWDRIFT | AD-C | DG |
|  CVI 110° | AIRMIX | GUARDIAN | IDKC | AIXR |
|  CVI-OC 80° | AIRMIX OC | | IDKS | |
|  CVI-TWIN 110° | | | | |
|  AVI 110° | TURBODROP | DB | ID3C | AI |
|  AVI-OC 80° | | | IS | AIUB |
|  AVI-TWIN 110° | AIRMIX DS | TWC + DB (x2) | | TIJ |
|  ATR 80° | | HXC | TR | TRX |
|  ATR 60° | | | | |
|  TVI 80° | AIRMIX HC | | ITR | AITXB |
|  ATI 80° | | | | TXB |
|  ATI 60° | | | | |
|  ATF 80° | | | | |
|  ESI EXA | | FCHESI | FL | SJ7 SJ3 |
|  APM | DT | DT | | TF |
|  MVI | | | FT | TK |

Plastics - Ceramics - Stainless steel

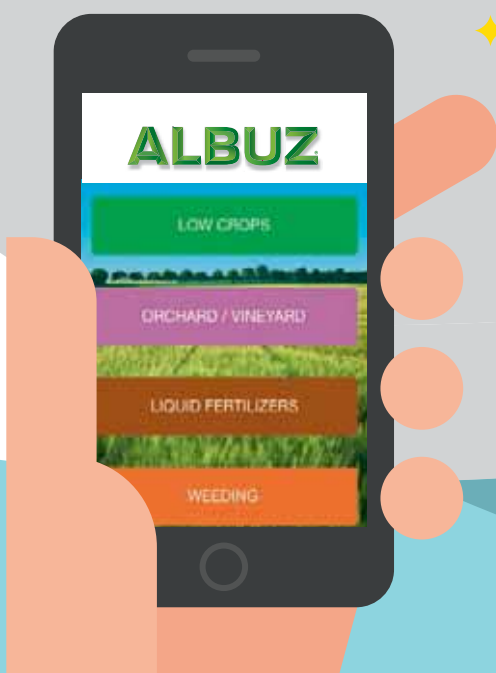
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ALBUZ®

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