

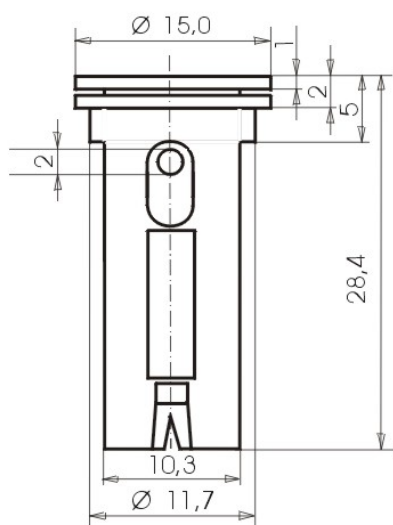


Report no. G 1605

TEST REPORT

Of the
**Federal Biological Research Centre
for Agriculture and Forestry
Braunschweig**

Nozzle tip



Flatfan nozzle ALBUZ AVI 110-04
(ceramic, plastic-covered, red)

Approved for spraying in field crops

Manufacturer
Norton Desmarquest - ALBUZ
48, rue des Vignerons
F-94685 Vincennes Cedex
France

Applicant
Agrotop GmbH
Köfeninger Straße 5
93083 Oberstraubling - Gebelkofen

**Approved on
2. February 2000**

Approval is granted for a period of five years, it may be renewed.

Assessment

The flatfan nozzle ALBUZ AVI 110 04 (ceramic, plastic-coated, red) was tested without accessories (filter). The nozzle is suitable for spraying field crops, provided that the following technical requirements are complied with:

1. Installation in spray boom with sufficient and consistent amount of fluid,
2. 500 mm nozzle spacing,
3. 50 cm and 75 cm from the nozzles to the spraying area (consistency of transverse distribution proved satisfactory at a distance of 40 cm to 90 cm),
4. Spray pressure – measured in front of the nozzle - between 3.0 and 7.0 bar; liquid volume flux per nozzle as stated in the table below.

Suitable precautions should be taken to assure that the nozzles do not get blocked up or drip when in use. The dimensions of the nozzle tip comply with standard DIN 11215 from July 1978.

Pressure (bar)	Liquid volume flux without accessories (l/min)	Droplet spectrum
3.0	1.54	very coarse
3.2	1.59	
3.4	1.64	
3.6	1.69	
3.8	1.73	
4.0	1.78	very coarse
4.2	1.82	
4.4	1.86	
4.6	1.90	
4.8	1.95	very coarse
5.0	1.99	
5.2	2.03	
5.4	2.06	
5.6	2.10	
5.8	2.14	very coarse
6.0	2.18	
6.2	2.21	
6.4	2.25	
6.6	2.28	coarse
6.8	2.32	
7.0	2.35	

Field testing:

State Office for Food, Agriculture and
Reallotment of Land
- Plant Protection Service -
Ringstr. 10
D - 15236 Frankfurt /Oder

Technical Testing:

Application Techniques Division of the
Federal Biological Research Centre
Messeweg 11-12
D - 38104 Braunschweig

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