

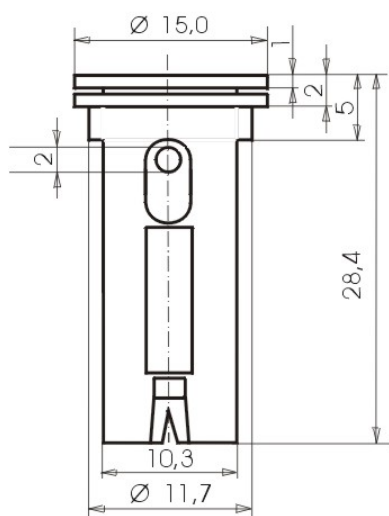


Report no. G 1606

# TEST REPORT

Of the  
Federal Biological Research Centre  
for Agriculture and Forestry  
Braunschweig

Nozzle tip



Flatfan nozzle ALBUZ AVI 110-03  
(ceramic, plastic-covered, blue)

Approved for spraying in field crops

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

Applicant  
Agrotop GmbH  
Köfeninger Straße 5  
93083 Oberstraubling - Gebelkofen

Approved on  
25. February 2000

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

## Assessment

The flatfan nozzle ALBUZ AVI 110 03 (ceramic, plastic-covered, blue) 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 between (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	1.16	very coarse
3.2	1.20	
3.4	1.24	
3.6	1.27	
3.8	1.31	
4.0	1.34	very coarse
4.2	1.37	
4.4	1.40	
4.6	1.44	
4.8	1.47	coarse
5.0	1.50	
5.2	1.53	
5.4	1.56	
5.6	1.58	
5.8	1.61	coarse
6.0	1.64	
6.2	1.67	
6.4	1.69	
6.6	1.72	
6.8	1.75	coarse
7.0	1.77	

### Field testing:

Chamber of Agriculture Hanover  
- Official Bureau of Plant Protection -  
Wunstorfer Landstraße 9  
D - 30428 Hanover

### Technical testing:

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