



# TEST REPORT

of the  
**Julius Kühn-Institut**  
Federal Research Institute  
for Cultivated Plants, Braunschweig



Flatfan nozzle ASJ AFC08002  
(Ceramics, plastic-coated, yellow)

**Approved for spraying orchards and vineyards**

**Applicant and Manufacturer**  
ASJ Spray-Jet  
Via Busca 101  
12044 CENTALLO (CN) ITALY  
ITALIEN

**Approved on**  
**9 January 2020**

## Assessment

The flatfan nozzle ASJ AFC08002 (ceramics, plastic-coated, yellow) was tested without accessories. The nozzle is suitable for orchards and vineyards, provided that the following technical requirements are fulfilled:

1. Installation in nozzle tubes with sufficient and a steady amount of liquid flow,
2. Spray pressure – measured in front of the nozzle – between 3.0 and 20.0 bar; liquid volume flow per nozzle as stated in table below.

Suitable precautions should be taken to assure that the nozzles do not get blocked up or drip when in use. The nozzles have a key width of 8 mm. The colour coding of the nozzle tip comply with standard ISO 10625.

Pressure (bar)	Liquid flow volume without accessories (l/min)	Max. deviation of single nozzle flow from the dosage tables	Droplet spectrum (ISO 25358)
3.0	0.80	-2,92 %	very coarse
4.0	0.92	-	-
6.0	1.12	-4.48 %	medium
8.0	1.30	3.46 %	medium
10.0	1.45	-4.17 %	medium
12.0	1.59	-	fine
15.0	1.78	-4.25 %	fine
20.0	2.05	-	-

## Field test

The nozzles were used in the year 2019 on a total of 84 hectares in orchards, a sufficient effect of the plant protective measures was confirmed.

## Basics for testing

The tests were carried out on basis of the Regulations for Testing Plant Protection Equipment (JKI-Guideline 2-1.1: 2013) and of ISO 5682-1:1999. The requirements of ISO 16119-2: 2013 and of JKI-Guideline 1-2.1:2013 were fulfilled.

### Field testing:

Dienstleistungszentrum Ländlicher Raum  
Rheinessen-Nahe-Hunsrück  
Rüdesheimer Str. 60-68  
55545 Bad Kreuznach

### Technical testing:

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