

Direct reading on flow chart N° 9960901 and 9960902

According to desired volume per hectare, select a nozzle, a forward speed and a spraying pressure on flow chart.

Example: to spray 300 l/ha, according to speed, flow chart gives following choice between pressure:

NOZZLES	Speed in km/h											
	4	5	6	7	8	9	10	11	12	13	14	15
RFX - AFX 80.02	5											
RFX - AFX 110.03		3.4	4.8									
RFX - AFX 110.04			2.7	3.7	4.9							
RFX - AFX 110.05				2.4	3.2	3.9	4.6					
RFX - AFX 110.06					2.2	2.7	3.4	4	4.9			
RFX - AFX 110.08								2.3	2.7	3.2	3.7	4.3

Maximum delivery per nozzle (l/mn), according to boom width and pump flow rate.

Maxi flow rate of the pump (l/mn)	Boom width in metre														
	7	9	10	12	15	16	18	20	21	24	28	30	32	36	40
40	2.8	2.2	2	1.6	1.3	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5	0.5
60	4.2	3.3	3	2.5	2	1.8	1.6	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7
70	5	3.8	3.5	2.9	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.1	1	0.9	0.8
100	7	5.5	5	4.1	3.3	3.1	2.7	2.5	2.3	2	1.7	1.6	1.5	1.3	1.2
105	7.5	5.8	5.2	4.3	3.5	3.2	2.9	2.6	2.5	2.1	1.8	1.7	1.6	1.4	1.3
110	7.8	6.1	5.5	4.5	3.6	3.4	3	2.7	2.6	2.2	1.9	1.8	1.7	1.5	1.3
150		8.3	7.5	6.2	5	4.6	4.1	3.7	3.5	3.1	2.6	2.5	2.3	2	1.8
160		8.8	8	6.6	5.3	5	4.4	4	3.8	3.3	2.8	2.6	2.5	2.2	2
200				8.3	6.6	6.2	5.5	5	4.7	4.1	3.5	3.3	3.1	2.7	2.5
240					8	7.5	6.6	6	5.7	5	4.2	4	3.7	3.3	3
300							8.3	7.5	7.1	6.2	5.3	5	4.6	4.1	3.7

Flow rate calculation for special case (different from flow chart)

Use following formula $d = \frac{Q \times V}{1200}$

d : delivery per nozzle (l/mn),
Q : quantity per hectare (l/ha),
S : forward speed km/ h

Example : spraying 450 l/ha at 5.5 km/h (spacing between nozzles: 0,5 m)

$$d = \frac{450 \times 5.5}{1200} = 2,06 \text{ l/mn}$$

Nozzle choice and pressure adjustment according to d: see "delivery per nozzle" column on flow chart:

- for 2,06l/mn, use: • RFX or AFX 110.05 nozzle at 3,3 bars or,
- RFX or AFX 110.06 nozzle at 2,3 bars.

