

Micro-Tube Order Instructions

Ordering a customized Micro-Tube System is easy. By making a few simple calculations, you will be able to properly order a system.

Below are easy-to-follow steps to help progress to the Part Numbers to order. Simply follow the directions. However, please feel free to call Customer Service at 1-800-446-5328 to answer any questions you may have.

STEP 1

Implement Used:	
Implement Width (Feet):	(A)
Total # Rows:	(B)
Width of Rows (inches):	
Average Ground Speed (mph):	(C)
Application Rate Required (gallons per acre):	(D)
# of Sections:	
# Rows per Section:	
How does implement fold?	

STEP 2

DETERMINE MICRO-TUBE SIZE AND PUMP SIZE							
(A)	x	(C)	x	(D)	x	=	(E)
WIDTH		SPEED		RATE			MI per minute

STEP 3

FOR INDIVIDUAL TUBE RATE/TUBE SIZE				
(E)	÷	(B)	=	(F)
MI/minute		# of Rows		MI/minute/row (flow rate)

Compare to Flow Rates to determine appropriate tube size. Listed below in the following two charts.

STEP 4

FOR PUMP SIZE					
(E)			=	(F)	
MI/minute	÷	MI/Gallon		Gallon/minute (Pump Size)	

ml/min/row

Tubing Size	15 PSI	20 PSI	25 PSI	30 PSI	Tube Color
.156 x .035	2	4	6	8	BLACK
.156 x .050	5	12	22	32	GREEN
.156 x .060	30	45	60	75	YELLOW
.156 x .080	60	100	145	175	NAVY BLUE
.156 x .088	110	160	210	260	BROWN
.250 x .100	220	260	380	500	BLUE
.250 x .110	400	525	650	750	GREEN
.250 x .125	500	650	780	900	TAN
.250 x .150	800	950	1100	1300	ORANGE
.250 x .170	1100	1400	1700	2000	YELLOW
.250 x .187	1800	2100	2500	3000	BLACK

oz/min/row

Tubing Size	15 PSI	20 PSI	25 PSI	30 PSI	Tube Color
.156 x .035	0.07	0.14	0.20	0.30	BLACK
.156 x .050	0.17	0.40	0.70	1.10	GREEN
.156 x .060	1.00	1.50	2.00	2.50	YELLOW
.156 x .080	2.00	3.40	4.90	5.40	NAVY BLUE
.156 x .088	3.70	5.40	7.10	8.80	BROWN
.250 x .100	7.40	8.80	12.80	16.90	BLUE
.250 x .110	13.50	17.70	22.00	25.40	GREEN
.250 x .125	16.90	22.00	26.40	30.40	TAN
.250 x .150	27.00	32.10	37.20	43.90	ORANGE
.250 x .170	37.20	47.30	57.50	67.60	YELLOW
.250 x .187	60.80	71.00	84.50	101.40	BLACK

STEP 5

SELECTING A SYSTEM

Rows/Drops	Sections	Rows/Section	Rows/Section	Rows/Section	Rows/Section	Rows/Section

Examples:

40 rows/drops – 4 sections – 10 rows per section

Rows/Drops	Sections	Rows/Section	Rows/Section	Rows/Section	Rows/Section	Rows/Section
40	4	10	10	10	10	

24 rows/drops – 3 sections – 8 rows per section

Rows/Drops	Sections	Rows/Section	Rows/Section	Rows/Section	Rows/Section	Rows/Section
24	3	8	8	8		

12 rows/drops – 2 sections – 6 rows per section

Rows/Drops	Sections	Rows/Section	Rows/Section	Rows/Section	Rows/Section	Rows/Section
12	3	3	6	3		

Compare your result(s) with the list on the following page. Click on the appropriate link to see a diagram of the system along with the Agri-Inject part number. If your results do not match a sequence of numbers in the following table, please contact Agri-Inject, Inc at 1-800-446-5328 for a custom designed system at no additional charge.

Key: In the following chart, the first number represents the number of rows/drops, the second number represents the number of sections. The final series of numbers represent the rows per section. Examples are illustrated above in Step 5.

<u>6-1-6</u>	<u>24-3-10-4-10</u>	<u>48-3-11-26-11</u>
<u>8-1-8</u>	<u>24-5-4-4-8-4-4</u>	<u>48-3-14-20-14</u>
<u>8-3-2-4-2</u>	<u>30-1-15-15</u>	<u>48-3-18-12-18</u>
<u>8-4-2-4-2</u>	<u>30-3-10-10-10</u>	<u>48-4-12-12-12-12</u>
<u>10-1-10</u>	<u>32-1-16-16</u>	<u>48-5-6-10-16-10-6</u>
<u>10-3-2-6-2</u>	<u>33-3-11-11-11</u>	<u>49-1-49</u>
<u>12-1-12</u>	<u>35-3-12-11-12</u>	<u>50-2-25-25</u>
<u>12-2-6-6</u>	<u>36-2-6-6-6</u>	<u>50-3-15-20-15</u>
<u>12-3-4-4-4</u>	<u>36-3-9-18-9</u>	<u>52-2-26-26</u>
<u>12-3-3-6-3</u>	<u>36-3-12-12-12</u>	<u>56-3-20-16-20</u>
<u>14-3-4-6-4</u>	<u>36-3-15-6-15</u>	<u>60-3-20-20-20</u>
<u>16-1-16</u>	<u>38-2-19-19</u>	<u>60-10-10-10-10-10-10</u>
<u>16-3-4-8-4</u>	<u>40-1-40</u>	<u>63-3-21-21-21</u>
<u>16-3-5-6-5</u>	<u>40-3-14-12-14</u>	<u>66-3-21-24-21</u>
<u>16-3-6-4-6</u>	<u>41-3-15-11-15</u>	<u>66-3-21-24-21</u>
<u>17-3-4-9-4</u>	<u>42-3-14-12-14</u>	<u>68-2-34-34</u>
<u>21-1-21</u>	<u>42-3-14-14-14</u>	<u>68-3-24-20-24</u>
<u>24-1-12-12</u>	<u>44-3-16-12-16</u>	
<u>24-3-6-12-6</u>	<u>46-3-18-10-18</u>	
<u>24-3-9-6-9</u>	<u>48-2-24-24</u>	