

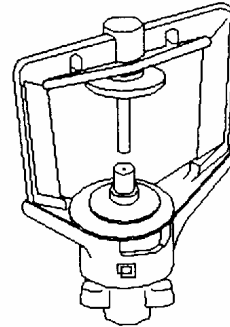
## “RONDO”

### MIST SPRAYER

#### Medium - Range Mist Sprayer

##### MAIN FEATURES

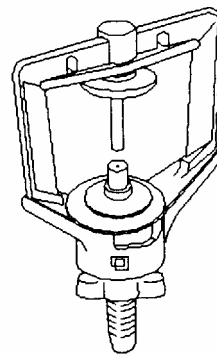
- \* Average droplet size: 0.15mm
- \* Suitable for Inverted & Upright assembly
- \* Double Bridge - violet color



Conic connection

##### OPERATING RANGE

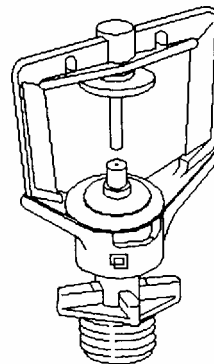
- \* Working pressure range  
2.5 - 3.5 bar
- \* Nominal flow rate: 47, 61  
and 91 l/h at 3.0 bar.



Threaded connection 10/32"

##### MODELS AND TYPES

- \* Conic Press - fit connection
- \* 10/32" Threaded connection
- \* 3/8" Threaded connection
- \* Color-coded nozzles for  
flow rate identification.



Threaded connection 3/8"

# “RONDO”

## MIST SPRAYER

### FLOW RATE DATA

NOZZIE COLOR (mm)	Q=AxH^B *		%DH ***	FLOW RATE (LPH) AT PRESSURE						
	A	B		10m	15m	20m	25m	30m	35m	40m
BLACK (0.8)	11.16	0.413	25.9	29.7	35.1	39.5	43.3	46.7	49.8	52.6
BLUE (1.0)	12.786	0.458	23	36.8	44.3	50.5	56.0	60.9	65.3	69.4
GREEN (1.2)	15.755	0.515	20	51.7	63.7	73.9	82.9	91.0	98.6	105.6

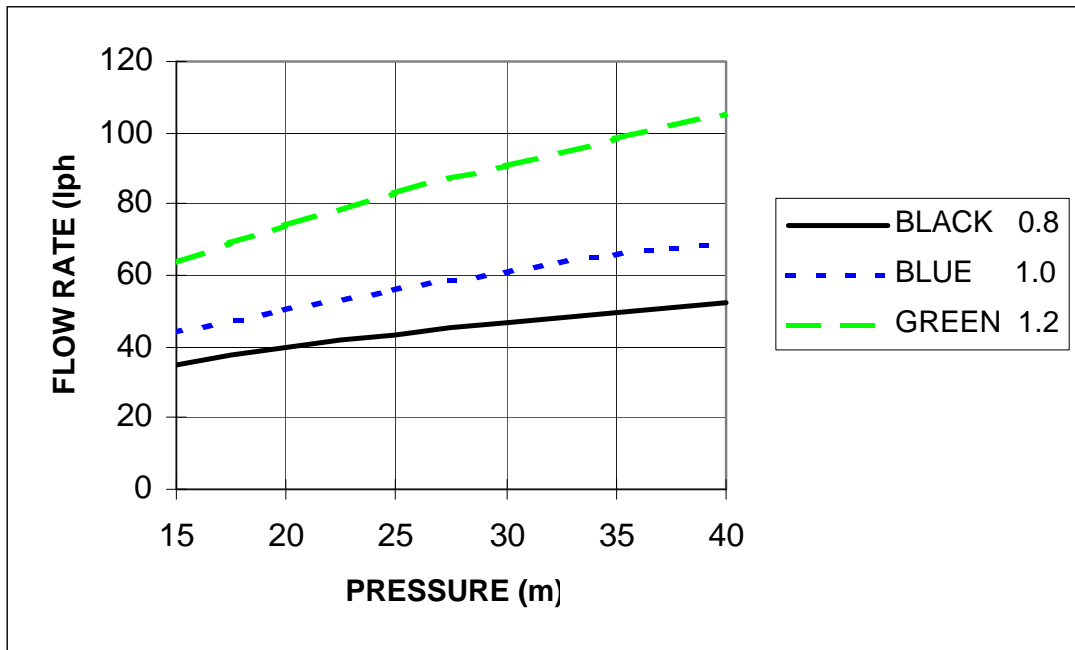
NOTE: TESTED WITHOUT MICRO-TUBE

\*\* Q=LPH H=m.

\*\*\* %DH - MAXIMUM ALLOWABLE HEAD LOSS DIFFERENCE.  
ALONG A LATERAL (AS PERCENT OF THE WORKING PRESSURE).  
TO KEEP FLOW RATE DIFFERENCE  $\leq 10\%$   
OF WORKING FLOW RATE.

### PERFORMANCE CHART

WORKING PRESSURE RANGE 15-30m.





## "RONDO" - MIST SPRAYER

VOLUMETRIC & AVERAGE WETTING DIAMETER DATA

NOZZLE HEIGHT - 100 & 200 cm.

COLOR CODE	NOMINAL PRESSURE (bar)	NOMINAL FLOW (L/H)	DROP* SIZE (UM)	DIAMETER (mt.)
BLACK	3.0	47	165	2-2.4
BLUE	3.0	61	130	2-2.4
GREEN	3.0	91	145	2.5-2.8

\* - Volumetric diameter

## "RONDO" MIST SPRAYER

CHRISTIANSEN UNIFORMITY COEF. (CU) %

WORKING PRESSURE - **30m.**

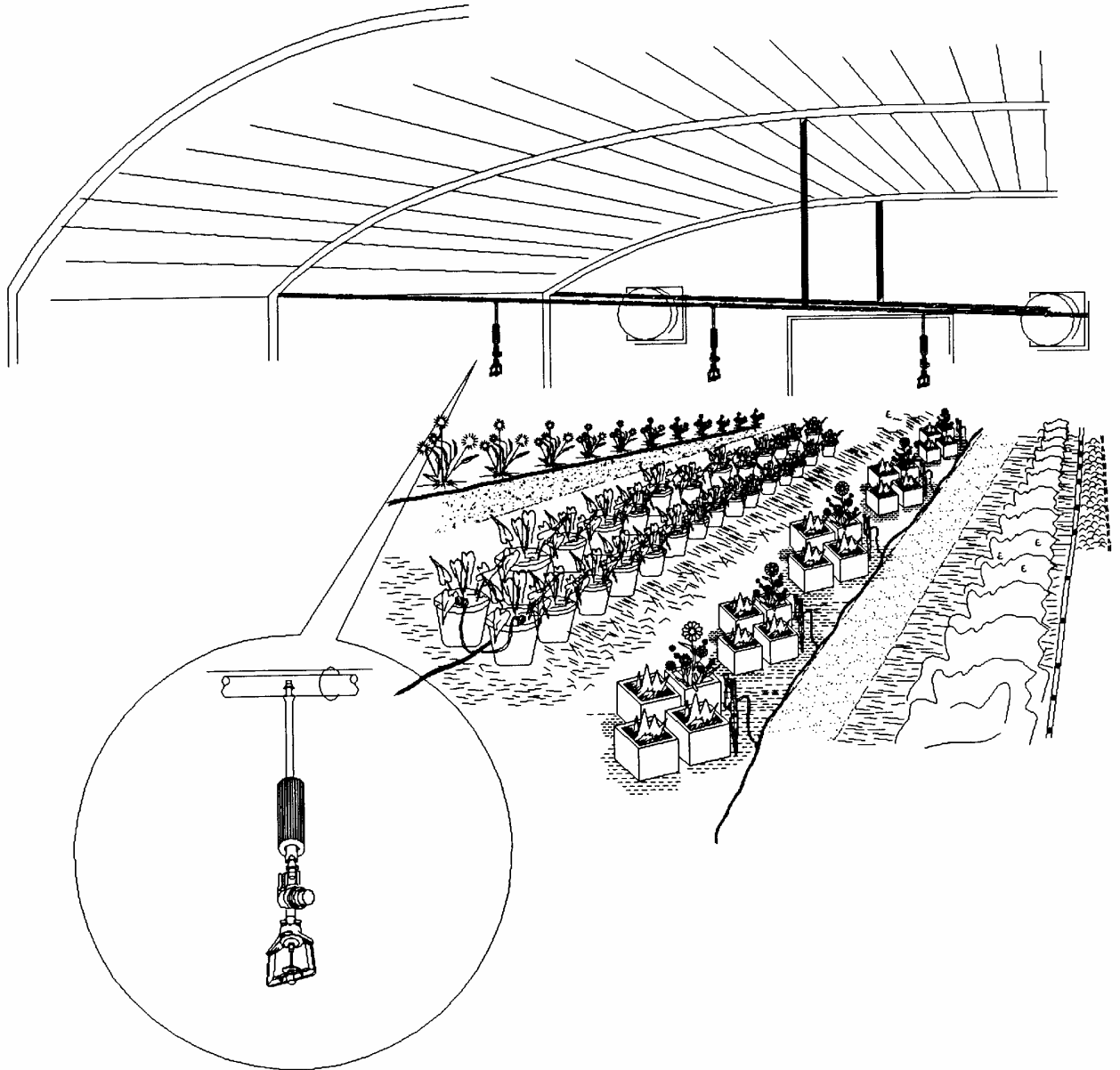
NOZZLE HEIGHT - **100 cm INVERTED**

Spacing (m)	Nozzle Code / CU(%)		
	Black 47 lph	Blue 61 lph	Green 91 lph
0.5x0.5	94	93	98
0.7x0.7	94	93	95
0.75x0.75	94	93	96
0.8x0.8	92	91	94
0.9x0.9	86	82	92
1x1	83	77	93
1.1x1.1	84	75	85
1.2x1.2	82	70	81
1.3x1.3	83	69	80
1.4x1.4	83	75	81
1.5x1.5	79	74	78

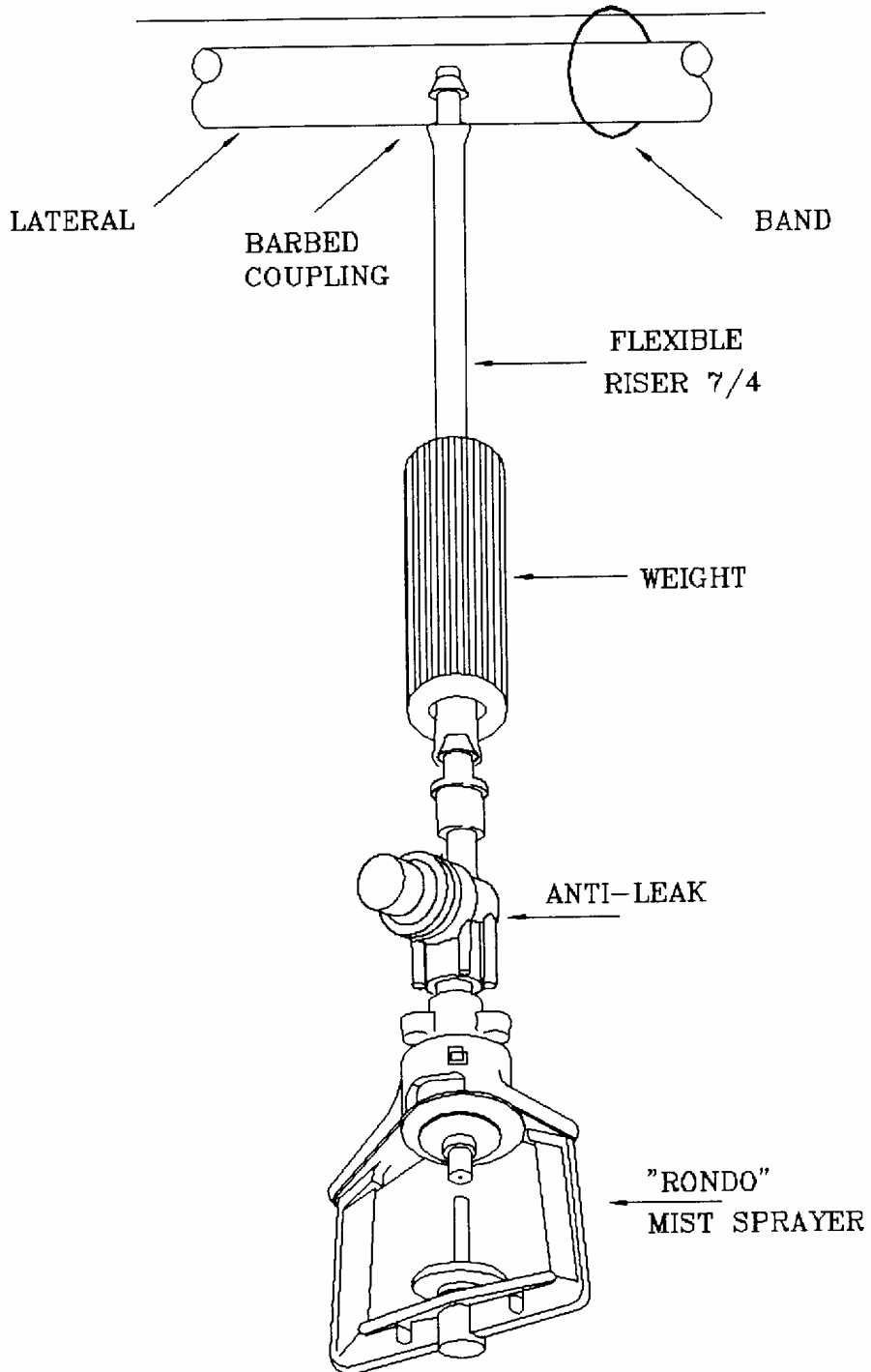
\* Coefficient Of Uniformity (standards) -

- Overlapping sprinklers standard equal to or greater than 84%
- Single sprinkler - no standard established. uniformity increases with the value.

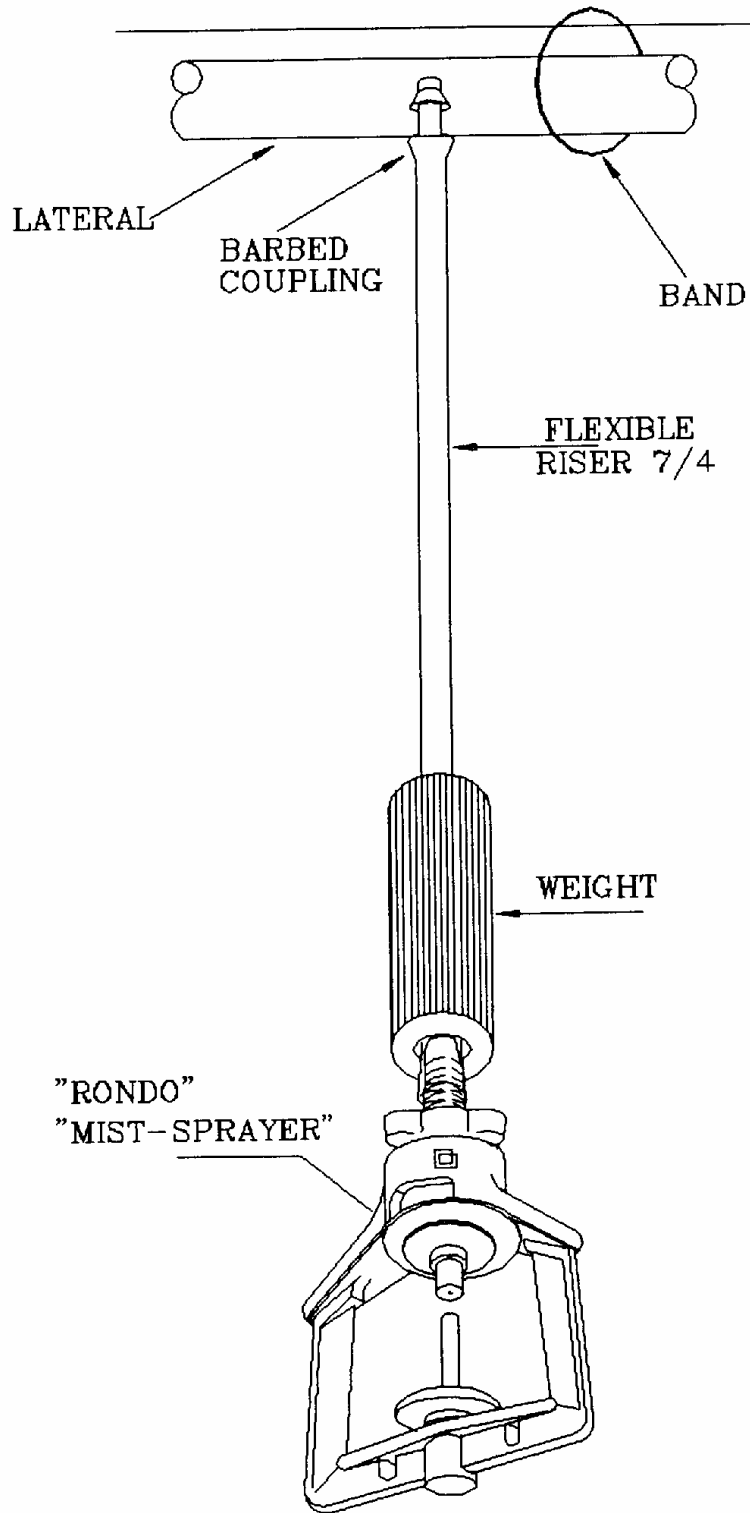
**GREENHOUSE**  
**MIST/FOG GENERATION**  
**“RONDO MIST SPRAYER”**  
**INVERTED POSITION**



**"RONDO" MIST - SPRAYER  
INVERTED POSITION**



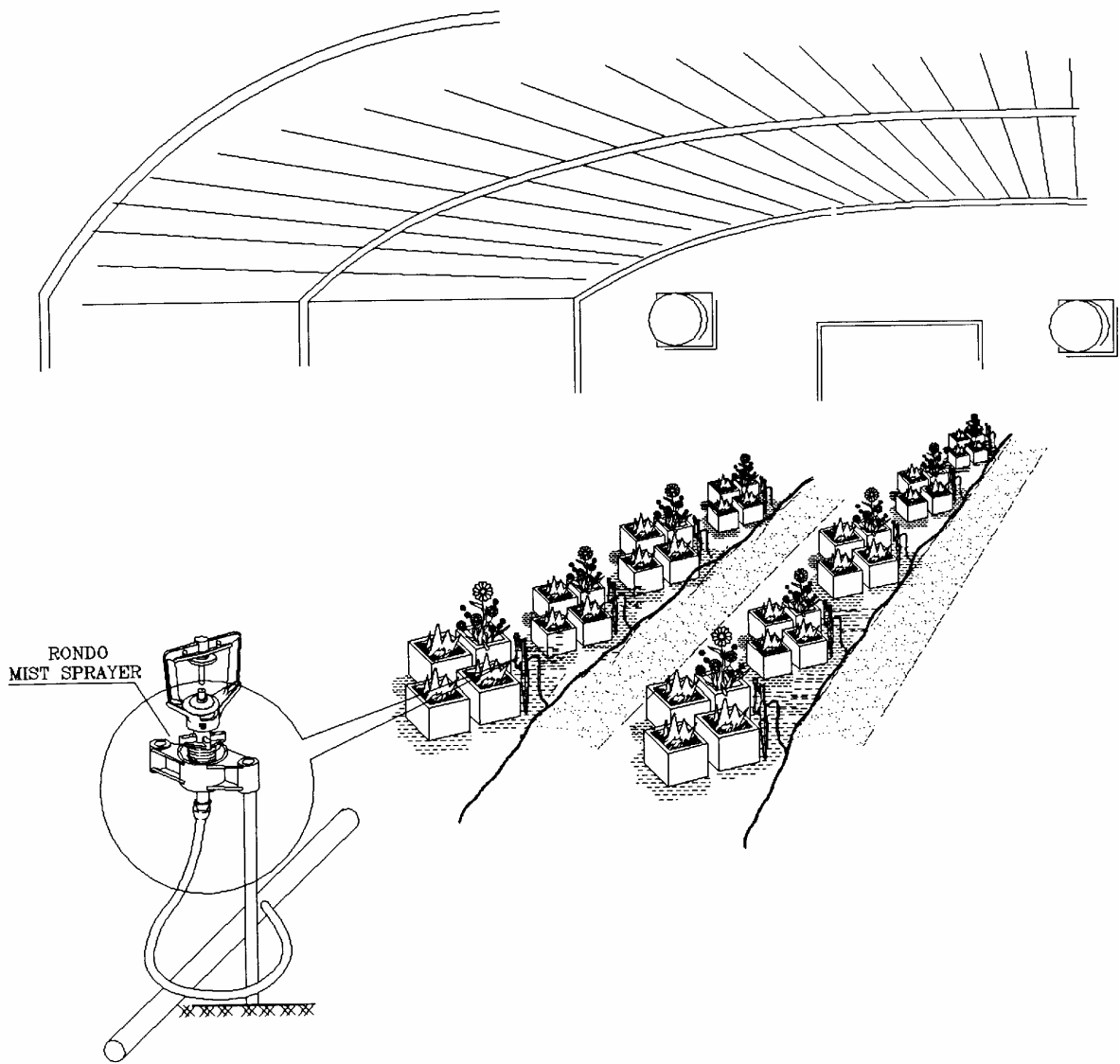
**"RONDO" MIST - SPRAYER  
INVERTED POSITION**



RONDO MIST SPRAYER  
DB 8



**GREENHOUSE**  
**"RONDO"**  
**MIST SPRAYER**  
**UPRIGHT POSITION**



## RONDO - MIST SPRAYER

Black Nozzle - 47 lph

Maximum No. of Emitters per Lateral

(Max. Flow Rate Variation - 7.5% or 10%)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in mm (OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
0.5	-1	32	36	34	38	41	46	50	55	52	58
	0	33	36	34	38	42	46	51	56	53	59
	1	33	36	35	38	43	47	52	57	54	60
0.7	-1	28	31	30	33	36	40	44	49	46	51
	0	29	32	30	34	37	41	45	50	47	52
	1	29	32	31	34	38	42	46	51	48	53
0.9	-1	26	28	27	30	33	36	40	44	42	46
	0	26	29	28	31	34	37	41	45	43	47
	1	27	29	28	31	34	38	42	46	44	48
1	-1	25	27	26	29	32	35	38	42	40	44
	0	25	28	27	29	32	36	39	44	41	45
	1	26	28	27	30	33	37	41	45	43	47
1.2	-1	23	25	24	27	29	33	36	40	37	41
	0	23	26	25	27	30	33	37	41	38	42
	1	24	26	25	28	31	34	38	42	40	44
1.4	-1	22	24	23	25	28	31	34	37	35	39
	0	22	25	23	26	29	32	35	38	36	40
	1	23	25	24	26	29	32	36	40	38	41
1.5	-1	21	23	22	25	27	30	33	36	34	38
	0	22	24	23	25	28	31	34	38	35	39
	1	22	24	23	26	29	32	35	39	37	40

(-) Uphill

(+) Downhill

## RONDO - MIST SPRAYER

Blue Nozzle - 61 lph

Maximum No. of Emitters per Lateral

(Max. Flow Rate Variation - 7.5% or 10%)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in mm (OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
0.5	-1	26	29	28	31	34	38	41	46	43	47
	0	27	30	28	31	34	38	42	46	44	48
	1	27	30	29	31	35	38	43	47	44	49
0.7	-1	23	26	24	27	30	33	36	40	38	42
	0	24	26	25	27	30	34	37	41	38	43
	1	24	26	25	28	31	34	38	42	39	43
0.9	-1	21	23	22	25	27	30	33	36	34	38
	0	21	24	23	25	28	30	34	37	35	39
	1	22	24	23	25	28	31	35	38	36	40
1	-1	20	22	21	24	26	29	31	35	33	36
	0	21	23	22	24	26	29	32	36	34	37
	1	21	23	22	24	27	30	33	37	35	38
1.2	-1	19	21	20	22	24	27	29	33	30	34
	0	19	21	20	22	25	27	30	33	31	35
	1	20	22	21	23	25	28	31	34	32	36
1.4	-1	18	20	19	21	23	25	28	31	29	32
	0	18	20	19	21	23	26	28	32	30	33
	1	18	20	20	22	24	26	29	32	31	34
1.5	-1	17	19	18	20	22	25	27	30	28	31
	0	18	20	19	21	23	25	28	31	29	32
	1	18	20	19	21	23	26	29	32	30	33

(-) Uphill

(+) Downhill

## RONDO - MIST SPRAYER

Green Nozzle - 91 lph

Maximum No. of Emitters per Lateral

(Max. Flow Rate Variation - 7.5% or 10%)

Emitter Spacing (m)	Slope (%)	Pipe Diameter in mm (OD/ID)									
		16/13.2		16/13.6		17.8/15.2		20/17		20/17.4	
		7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%	7.5%	10%
0.5	-1	19	21	20	23	25	27	30	33	31	35
	0	19	22	21	23	25	28	31	34	32	35
	1	20	22	21	23	25	28	31	34	32	36
0.7	-1	17	19	18	20	22	24	26	29	28	31
	0	17	19	18	20	22	24	27	30	28	31
	1	17	19	18	20	22	25	28	30	29	32
0.9	-1	15	17	16	18	20	22	24	27	25	28
	0	16	17	16	18	20	22	25	27	26	28
	1	16	17	17	18	20	23	25	28	26	29
1	-1	15	16	15	17	19	21	23	26	24	27
	0	15	17	16	17	19	21	24	26	25	27
	1	15	17	16	18	20	22	24	27	25	28
1.2	-1	14	15	14	16	18	20	21	24	22	25
	0	14	15	15	16	18	20	22	24	23	25
	1	14	16	15	17	18	20	23	25	24	26
1.4	-1	13	14	14	15	17	18	20	22	21	23
	0	13	15	14	15	17	19	21	23	22	24
	1	13	15	14	16	17	19	21	24	22	25
1.5	-1	12	14	13	15	16	18	20	22	20	23
	0	13	14	13	15	17	18	20	22	21	23
	1	13	14	14	15	17	19	21	23	22	24

(-) Uphill

(+) Downhill