



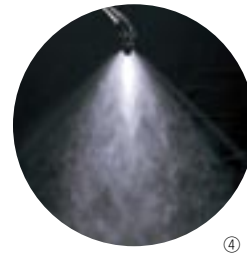
- ① KIRINASHI (Ultra Low-Drift) Herbicide Nozzle for Manual Sprayers, 2 Nozzles
- ② Fine Mist Nozzle #-4 Spraying Pattern (Full Cone)
- ③ Fine Mist Nozzle #-5 Spraying Pattern (Flat Fan)

## Fine Mist Nozzle

For cooling and humidifying cattle sheds and greenhouses



①

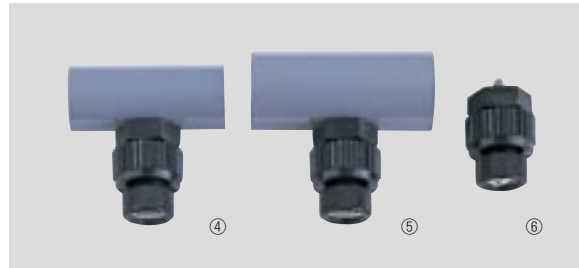


④



Item	Fine Mist Nozzle #-4
Flow Rate(1.5MPa)	148 mL/min
Average Drop Size (μm)	55
Length/Weight	5.9 cm, 34g

Nozzle head is made of ceramic and produces a full cone spraying pattern.



Item	Fine Mist Nozzle #-5
Flow Rate(1.5MPa)	126 mL/min
Average Drop Size (μm)	50
Length/Weight	5.9 cm, 36g

Nozzle head is made of stainless steel and produces a flat fan spraying pattern.

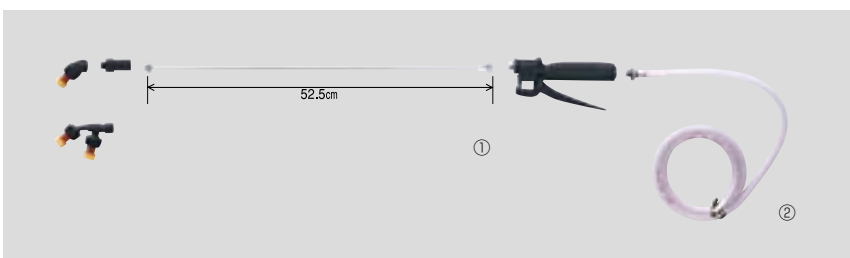


#-5 produces a fine mist in a flat fan pattern. It includes SM-125-65 Nozzle Disk; however, less output may be achieved by changing the disk to SM-95-30 (see page 73 for details).

※ #-4 and #-5 comprises a socket that can be connected with a PVC water hose with a nominal diameter of 13 millimeters (i.e. outer diameter 18 millimeters).  
 Φ 16 type comprises a socket that can be connected to a PVC water hose with a nominal diameter of 16 millimeters (i.e. outer diameter of 22 millimeters).  
 Those items without socket comprises a M5 x0.8 male adapter.

No.	Code No.	Item	Min. Unit	Use
1	18 12 11	Fine Mist Nozzle #-4	100	For cooling and humidification (Item made on demand)
2	18 12 12	Fine Mist Nozzle #-4 φ16	100	For cooling and humidification (Item made on demand)
3	18 12 13	Fine Mist Nozzle #-4 (without socket)	100	For cooling and humidification (Item made on demand)
4	18 13 11	Fine Mist Nozzle #-5	100	For cooling and humidification (Item made on demand)
5	18 13 13	Fine Mist Nozzle #-5 φ16	100	For cooling and humidification (Item made on demand)
6	18 13 12	Fine Mist Nozzle #-5 (without socket)	100	For cooling and humidification (Item made on demand)

## Stainless Boom and Hose for Manual Sprayers



No.	Code No.	Item	Min. Unit	Use
1	30 20 12	Stainless Boom (G1/4)	10	Item made on demand
2	50 22 12	Hose (G1/4)	10	Item made on demand

### Herbicide Nozzle for Manual Sprayers

The ideal nozzle for applying herbicides with a manual sprayer.

#### <Drift-reducing>

Nozzle #	N-KAL-13G	N-KAL-9SB	N-KAL-15R
Average Drop Size (µm)	750(0.2MPa)	660(0.2MPa)	670(0.2MPa)
Pressure Range (MPa)	0.1-0.3	0.1-0.3	0.1-0.3
Maximum Spray Reach	approx. 2m	approx. 2m	approx. 2m



Item	ROUND NOZZLE for Manual Sprayers, 2 Nozzles (ISO)	ROUND NOZZLE for Manual Sprayers, 2 Nozzles (ROUND NOZZLE 25 Type, ISO)	KIRINASHI (Ultra Low-Drift) Herbicide Nozzle for Manual Sprayers, 2 Nozzles (ISO)
Flow Rate(0.1MPa)	1.5 L/min	0.7 L/min	2.0 L/min
Flow Rate(0.15MPa)	1.8 L/min	0.9 L/min	2.4 L/min
Nozzle #	N-KAL-13G	N-KAL-9SB	N-KAL-15R
Coverage at 30cm H	approx. 120 cm	approx. 120 cm	approx. 120 cm
Maximum Spray Reach	approx. 2 m	approx. 2 m	approx. 2 m
Length/Weight	9 cm x 30 g	9 cm x 30 g	9 cm x 30 g
Adapter	G1/4	G1/4	G1/4

\* Coverage as of 30 cm from nozzle head

※ Please use New Sector Spray Nozzle for Manual Sprayers for purposes other than herbicide application. Please also refer to Spray Nozzles for Weeding (page 36-) and Round Nozzles (page 40-) for other weeding nozzles.

No.	Code No.	Item	Min. Unit	Use
1	15 11 14	ROUND NOZZLE for Manual Sprayers, 2 Nozzles (G1/4)	50	For Herbicides ( Item made on demand )
	15 11 20	ROUND NOZZLE for Manual Sprayers, 2 Nozzles (ROUND NOZZLE Type 25) (G1/4)	50	For Herbicides ( Item made on demand )
2	14 25 12	KIRINASHI (Ultra Low-Drift) Herbicide Nozzle for Manual Sprayers, 2 Nozzles (G1/4)	50	For Herbicides ( Item made on demand )

### Mini Cleaner for Manual Sprayers

### Lever-Handle Valve for Manual Sprayers



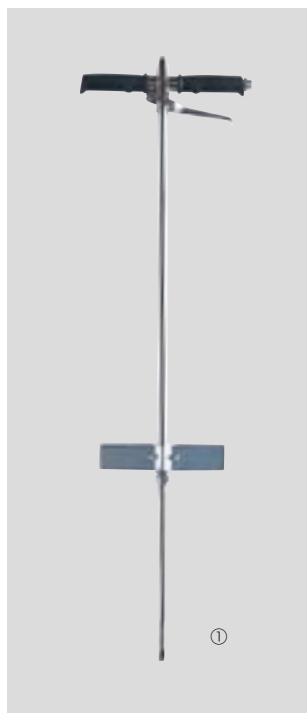
Item	Mini Cleaner for Manual Sprayers	Lever-Handle Valve for Manual Sprayers
Length	4.6 cm	16 cm
Weight	9 g	120 g
Adapter	G1/4	G1/4

※ This product is 50 mesh. 80 mesh is also available.

No.	Code No.	Item	Min. Unit	Use
1	31 12 14	Mini Cleaner for Manual Sprayers (G1/4)	50	Item made on demand
	31 12 15	Mini Cleaner for Manual Sprayers (G1/4) 80#	50	Item made on demand
2	32 12 12	Lever-Handle Valve for Manual Sprayers (G1/4)	50	Item made on demand

### Soil Injector #-R

Enables direct injection of flowables into soil - easy to manage



For injecting flowables (Rizolex flowables) into soil.

#### Pressure and Flow Rate

Right table shows the relationship between pressure at tank (using a mid-size powered sprayer) and spray output volume.

Please note that lack of adequate tank pressure will cause injection failure; please ensure there is enough output from the nozzle head as you set the tank pressure.

Item	Soil Injector #-R
Length	98 cm
Weight	1450 g
Adapter	G1/4(G3/8)

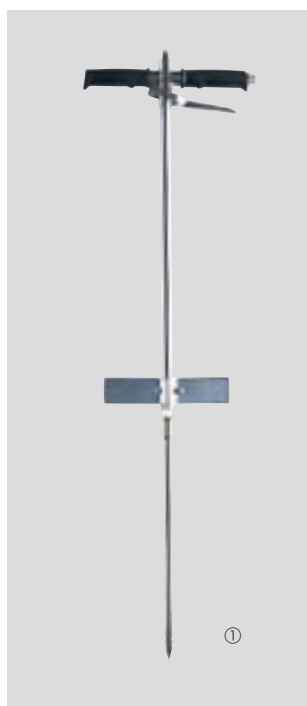
Capacity when attached to hose (φ8.5×100m)

Tank Pressure (MPa)	Flow Rate (L/min)
2.0	11.4
2.5	12.7
3.0	14.0
3.5	15.1
4.0	16.1

※ Soil Injector #-R is as same as Rizolex Injector.

No.	Code No.	Item	Min. Unit	Use
1	36 11 22	Soil Injector #-R (G1/4)	1	Item made on demand

### Liquid Fertilizer Injector



**Features** This equipment allows injection of liquid fertilizers directly into soil. The injector is attached via hose to a motor sprayer, and with the injector head in the soil, push the lever to inject.

Item	Liquid Fertilizer Injector #-T-10
Flow Rate (0.5MPa)	10 L/min
Orifice	2×2=4 orifices (d=2mm each)
Length	98 cm
Weight	1350 g
Adapter	G1/4Female(hoseφ8.5mm)

Head and injection pipe is made of stainless steel SUS304.

No.	Code No.	Item	Min. Unit	Use
1	36 11 21	Liquid Fertilizer Injector #-T-10 (G1/4)	1	Item made on demand