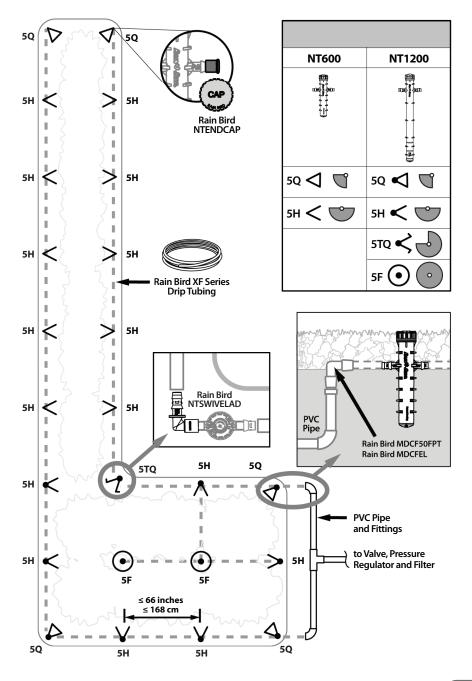


Prepare a layout of the NT Series to assure proper coverage.

**Note:** To assure proper coverage when using micro-spray nozzles, do not space NT Series Micro Pop-Ups more than 66 inches (168cm) apart.



3

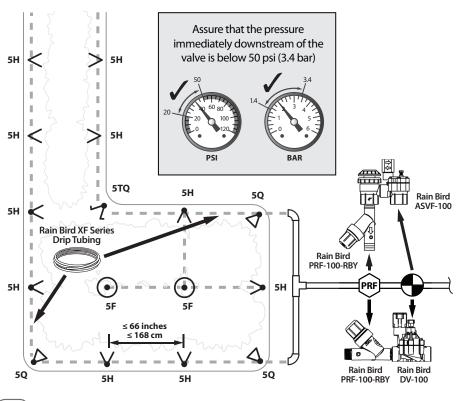
Determine the maximum number of NT Series units that can be placed on a Rain Bird XF Series drip tubing lateral. For specific pressure loss calculations, a tool can be found at www.rainbird.com/ntseries.

Rules of Thumb:

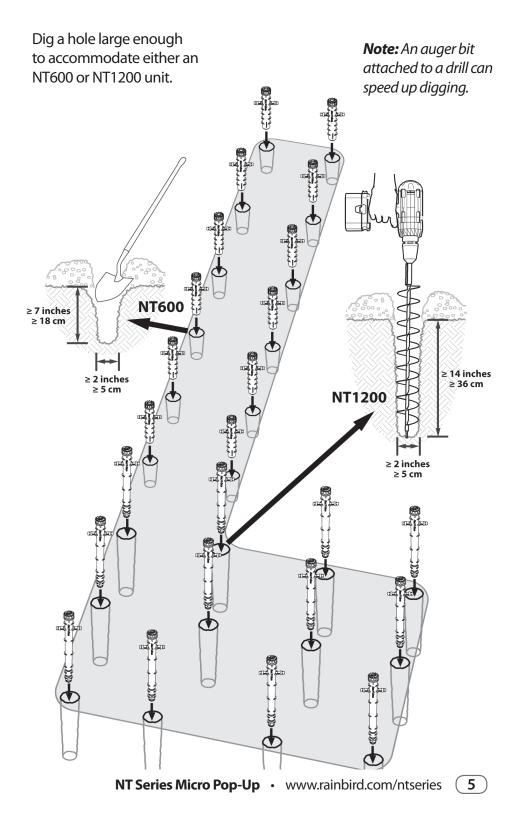
- 1. If most of the micro-spray nozzles are 5Q, 5T, 5H or 5TT, then you can use up to (15) NT600's or up to (10) NT1200's per lateral line.
- 2. If most of the micro-spray nozzles are 5TQ or 5F, then you can use up to (8) NT600's or up to (5) NT1200's per drip lateral line.
- 3. If most of the micro-stream nozzles are non 3F, then you can place up to (15) NT600's or (10) NT1200's per drip lateral line.
- If most of the micro-stream nozzles are 3F, then you can place up to (8) NT600's or (5) NT1200's per drip lateral line.

## Assumptions:

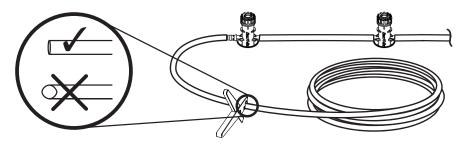
- 1. The pressure at the first NT Series unit is approximately 40 psi (2.8 bars)
- 2. Average spacing between the NT Series units does not exceed 66 inches (168 cm).
- 3. The area in which the NT Series units are installed is relatively flat.
- 4. Rain Bird XF Series blank drip tubing is being used as the lateral between the NT Series units.



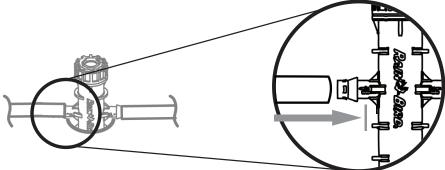
NT Series Micro Pop-Up • www.rainbird.com/ntseries



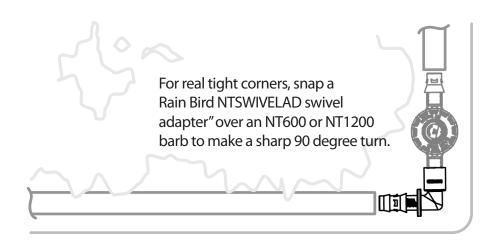
Assure that tubing is cut squarely and not at a severe angle.



Assure that the tubing is inserted all the way over the barb to the indicator line.

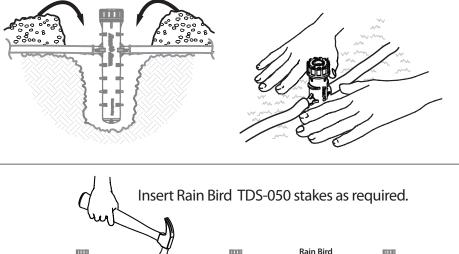


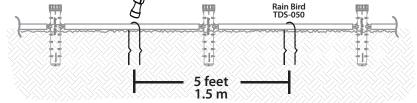
Rain Bird<sup>®</sup> XF Series Tubing

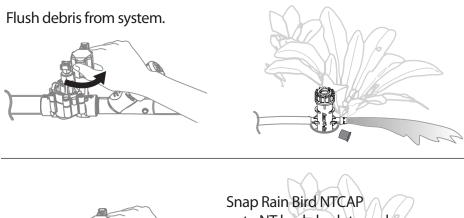


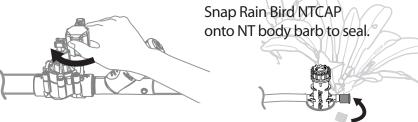
6

Place the loose soil into the hole and compact to finish grade.

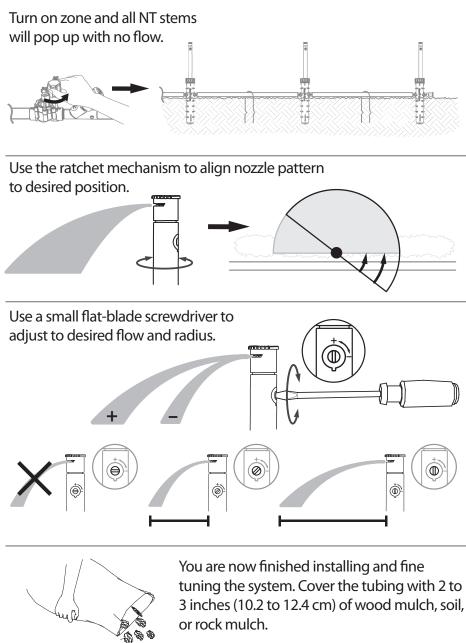








7





NT Series Micro-Spray Nozzle Performance psi				inches	GPH	in/hr	▲ in/hr
		5Q	20	48	5.0	2.01	2.31
50			25	54	5.5	1.74	2.01
PTIN BISS	6		30	61	6.5	1.60	1.85
			35	66	7.3	1.54	1.77
10000	6		20	48	6.7	2.00	2.31
		5T	25	54	7.3	1.74	2.01
4/W 8189			30	61	8.6	1.60	1.85
	•		35	66	9.7	1.54	1.77
10000			20	48	10.0	2.01	2.31
ST SM		5H	25	54	11.0	1.74	2.01
CALIN BIRS			30	61	13.0	1.61	1.86
			35	66	14.6	1.55	1.79
10000 h			20	48	13.3	2.01	2.32
A A	$ \frown \!$	5TT	25	54	14.7	1.74	2.01
E CUN BURG			30	61	17.2	1.60	1.85
			35	66	19.3	1.54	1.78
ana	9	5TQ	20	48	15.0	2.01	2.31
			25	54	16.5	1.74	2.01
E PAIN BIRD			30	61	19.4	1.60	1.85
			35	66	21.8	1.54	1.77
00000	•	5F	20	48	20.0	2.01	2.31
SF SF			25	54	22.0	1.74	2.01
Staw all S			30	61	25.8	1.60	1.85
~000v.			35	66	29.0	1.54	1.77

METRIC			bar	cm	۲ I/h	mm/hr	▲ mm/hr
acros		5Q	1.4	121.9	19.0	50.7	58.5
			1.7	137.1	20.9	44.1	50.9
PIN BIRD			2.1	154.9	24.5	40.5	46.8
			2.4	167.6	27.6	38.9	44.9
10000 L		5T	1.4	121.9	25.3	50.7	58.5
( 51 )			1.7	137.1	27.8	44.0	50.8
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2.1	154.9	32.6	40.5	46.7
LS_	•		2.4	167.6	36.7	38.9	44.9
Stocopy		5H	1.4	121.9	38.0	50.7	58.5
S SN A			1.7	137.1	41.8	44.1	50.9
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			2.1	154.9	49.4	40.8	47.1
			2.4	167.6	55.5	39.2	45.2
		5TT	1.4	121.9	50.7	50.8	58.6
A CA	$\frown$		1.7	137.1	55.8	44.1	50.9
E STI D			2.1	154.9	65.4	40.5	46.8
			2.4	167.6	73.5	38.9	44.9
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	7	5TQ	1.4	121.9	57.0	50.7	58.5
STQ STQ			1.7	137.1	62.7	44.1	50.9
			2.1	154.9	73.5	40.5	46.8
			2.4	167.6	82.7	38.9	44.9
	•	5F	1.4	121.9	76.0	50.7	58.5
8 8			1.7	137.1	83.6	44.1	50.9
SF B			2.1	154.9	98.0	40.5	46.8
-6000y			2.4	167.6	110.2	38.9	44.9

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					per nozzle
NT Series M Nozzle Perf		n	psi	inches	GPH
and the second	$\checkmark$	3Q	20	24	6.6
			25	30	7.2
41 BK 5			30	36	7.8
			35	42	8.4
	-	ЗН	20	24	10.8
			25	30	12.0
AW BIK			30	36	13.2
			35	42	14.4
- Arrow	₩	3F	20	24	20.4
Sama			25	30	22.8
TW BIT			30	36	24.6
**LJV*			35	42	26.4
actro-	¥	3EST	20	24	6.6
SCT A			25	30	7.2
TW BIR			30	36	7.8
Server and a server a			35	42	8.4
- marine	≫	3CST	20	24	10.8
écsi à			25	30	12.0
2 4 N BIR 3			30	36	13.2
·~~~			35	42	14.4
and a	$\times$	3SQ	20	24	7.2
SQ MN BAR			25	30	8.4
			30	36	9.0
"harder"			35	42	10.2
~~~~			20	24	5.4
		3TRI	25	30	6.0
THAN OF S			30	36	6.6
"market"			35	42	7.2

					( <b>b</b> )
			METRIC		per nozzle
NT Series Micro-Stream Nozzle Performance			bar	cm	F I/h
aPIBs			1.4	45.7	20.4
No the second	$\checkmark$		1.7	61.0	25.0
QYR S		3Q	2.1	76.2	27.3
Surrow			2.4	91.4	29.5
4844			1.4	45.7	34.1
			1.7	61.0	40.9
		ЗH	2.1	76.2	45.4
hand			2.4	91.4	50.0
	₩	ЗF	1.4	45.7	68.1
Senn A			1.7	61.0	77.2
FULL S			2.1	76.2	86.3
- Vhiles			2.4	91.4	93.1
	¥	3EST	1.4	45.7	20.4
			1.7	61.0	25.0
2 COU 5			2.1	76.2	27.3
			2.4	91.4	29.5
	≫	3CST	1.4	45.7	34.1
Kent I			1.7	61.0	40.9
The store			2.1	76.2	45.4
			2.4	91.4	50.0
and a	$\times$	3SQ	1.4	45.7	25.0
			1.7	61.0	27.3
FIN BIR			2.1	76.2	31.8
- mark			2.4	91.4	34.1
and the			1.4	45.7	18.2
		3TRI	1.7	61.0	20.4
C AN OF S			2.1	76.2	22.7
"norrow"			2.4	91.4	25.0



## www.rainbird.com/ntseries

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