Orifice Plate Kit
for 360 Y-DROP™ or 360 BANDIT™

- Chart is based on the assumption that the Y-DROP™ or BANDIT™ will apply **two bands of nutrients**. If only applying one band, rate table values will need to be multiplied by two.
- Chart is based on Gallons per Acre (GPA) of water, conversion must be made for the density of your product, see Solution Conversion Chart below.
- Be sure to take into consideration your systems PSI capabilities before selecting orifice size.
- **360 Y-DROP™ requires 2 orifices at double the rate for the outside two rows**, see Double Rate Chart below.

Solution Conversion Chart

Solution	(lbs N. per gal.)	Conversion Factor
UAN (28%)	2.98	1.13
UAN (32%)	3.55	1.15

Double Rate Chart for Outside Rows on 360 Y-DROP™

Inside Rows	Outside Rows
48	73
57	78
61	91
73	103
78	110
91	132

Conversion Formulas for UAN (28%)

$$\frac{\text{(desired lbs of N)}}{\text{(lbs. N per Gallon 28\%)}} = \text{GPA}$$

GPA x 1.13 = Adjusted GPA(water) for use in chart.

Example:

$$\frac{\text{50 (desired lbs of N)}}{\textbf{2.98} \text{ (lbs. N per Gallon 28\%)}} = 16.78 \text{ GPA}$$

16.78 x 1.13 = **18.96** Adjusted GPA(water).

Use **18.96** in the chart to the right to figure out what orifice to purchase.

Conversion Formulas for UAN (32%)

$$\frac{\text{(desired lbs of N)}}{\text{(lbs. N per Gallon 32\%)}} = \text{GPA}$$

GPA x 1.15 = Adjusted GPA(water) for use in chart.

Example:

$$\frac{\text{50 (desired lbs of N)}}{\textbf{3.55} \text{ (lbs. N per Gallon 32\%)}} = 14.08 \text{ GPA}$$

14.08 x 1.15 = **16.19** Adjusted GPA(water).

Use **16.19** in the chart to the right to figure what orifice to purchase.

For additional row spacings, speeds or pressures see orifice and nozzle rate guide on the Yield 360 website.

Order No.	Orifice or Series No.	PSI	GPM 1 Nozzle	GPA (water)— 15" spacing (30" rows) 5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH
418037	37	20	.122	9.7	8.1	6.9	6.0	5.4	4.8	4.4	4.0
		30	.149	11.8	9.8	8.4	7.4	6.6	5.9	5.4	4.9
		40	.172	13.6	11.4	9.7	8.5	7.6	6.8	6.2	5.7
		50	.192	15.2	12.7	10.9	9.5	8.4	7.6	6.9	6.3
		60	.211	16.7	13.9	11.9	10.4	9.3	8.4	7.6	7.0
		70	.228	18.1	15.0	12.9	11.3	10.0	9.0	8.2	7.5
		80	.243	19.2	16.0	13.7	12.0	10.7	9.6	8.7	8.0
418041	41	20	.149	11.8	9.8	8.4	7.4	6.6	5.9	5.4	4.9
		30	.183	14.5	12.1	10.4	9.1	8.1	7.2	6.6	6.0
		40	.211	16.7	13.9	11.9	10.4	9.3	8.4	7.6	7.0
		50	.236	18.7	15.6	13.4	11.7	10.4	9.3	8.5	7.8
		60	.258	20.4	17.0	14.6	12.8	11.4	10.2	9.3	8.5
		70	.287	22.7	18.9	16.2	14.2	12.6	11.4	10.3	9.5
		80	.298	23.6	19.7	16.9	14.8	13.1	11.8	10.7	9.8
418045	45	20	.177	14.0	11.7	10.0	8.8	7.8	7.0	6.4	5.8
		30	.217	17.2	14.3	12.3	10.7	9.5	8.6	7.8	7.2
		40	.250	19.8	16.5	14.1	12.4	11.0	9.9	9.0	8.3
		50	.280	22.2	18.5	15.8	13.9	12.3	11.1	10.1	9.2
		60	.306	24.2	20.2	17.3	15.1	13.5	12.1	11.0	10.1
		70	.334	26.5	22.0	18.9	16.5	14.7	13.2	12.0	11.0
		80	.354	28.0	23.4	20.0	17.5	15.6	14.0	12.7	11.7
418048	48	20	.202	16.0	13.3	11.4	10.0	8.9	8.0	7.3	6.7
		30	.248	19.6	16.4	14.0	12.3	10.9	9.8	8.9	8.2
		40	.286	22.7	18.9	16.2	14.2	12.6	11.3	10.3	9.4
		50	.320	25.3	21.1	18.1	15.8	14.1	12.7	11.5	10.6
		60	.350	27.7	23.1	19.8	17.3	15.4	13.9	12.6	11.6
		70	.372	29.5	24.6	21.1	18.4	16.4	14.7	13.4	12.3
		80	.391	30.9	25.8	22.1	19.3	17.2	15.5	14.1	12.9
418057	57	20	.283	22.4	18.7	16.0	14.0	12.5	11.2	10.2	9.3
		30	.346	27.4	22.8	19.6	17.1	15.2	13.7	12.5	11.4
		40	.400	31.7	26.4	22.6	19.8	17.6	15.8	14.4	13.2
		50	.447	35.4	29.5	25.3	22.1	19.7	17.7	16.1	14.8
		60	.490	38.8	32.3	27.7	24.3	21.6	19.4	17.6	16.2
		70	.522	41.4	34.5	29.5	25.8	23.0	20.7	18.8	17.2
		80	.549	43.5	36.3	31.1	27.2	24.2	21.8	19.8	18.1
418061	61	20	.330	26.1	21.8	18.7	16.3	14.5	13.1	11.9	10.9
		30	.404	32.0	26.7	22.9	20.0	17.8	16.0	14.5	13.3
		40	.466	36.9	30.8	26.4	23.1	20.5	18.5	16.8	15.4
		50	.521	41.3	34.4	29.5	25.8	22.9	20.6	18.8	17.2
		60	.571	45.2	37.7	32.3	28.3	25.1	22.6	20.6	18.8
		70	.613	48.5	40.4	34.7	30.3	27.0	24.3	22.1	20.2
		80	.658	52.1	43.4	37.2	32.6	28.9	26.1	23.7	21.7
418073	73	20	.467	37.0	30.8	26.4	23.1	20.5	18.5	16.8	15.4
		30	.572	45.3	37.8	32.4	28.3	25.2	22.7	20.6	18.9
		40	.660	52.3	43.6	37.3	32.7	29.0	26.1	23.8	21.8
		50	.738	58.4	48.7	41.7	36.5	32.5	29.2	26.6	24.4
		60	.808	64.0	53.3	45.7	40.0	35.6	32.0	29.1	26.7
		70	.852	67.5	56.3	48.2	42.2	37.5	33.8	30.7	28.1
		80	.901	71.4	59.5	51.0	44.6	39.6	35.7	32.4	29.7
418078	78	20	.544	43.1	35.9	30.8	26.9	23.9	21.5	19.6	18.0
		30	.667	52.8	44.0	37.7	33.0	29.3	26.4	24.0	22.0
		40	.770	61.0	50.8	43.6	38.1	33.9	30.5	27.7	25.4
		50	.861	68.2	56.8	48.7	42.6	37.9	34.1	31.0	28.4
		60	.943	74.7	62.2	53.3	46.7	41.5	37.3	33.9	31.1
		70	.999	79.1	66.0	56.5	49.5	44.0	39.6	36.0	33.0
		80	1.061	84.0	70.0	60.0	52.5	46.7	42.0	38.2	35.0
418091	91	20	.739	58.5	48.8	41.8	36.6	32.5	29.3	26.6	24.4
		30	.905	71.7	59.7	51.2	44.8	39.8	35.8	32.6	29.9
		40	1.050	83.2	69.3	59.4	52.0	46.2	41.6	37.8	34.7
		50	1.170	92.7	77.2	66.2	57.9	51.5	46.3	42.1	38.6
		60	1.280	101.4	84.5	72.4	63.4	56.3	50.7	46.1	42.2
		70	1.356	107.4	89.5	76.7	67.1	59.6	53.7	48.8	44.7
		80	1.442	114.2	95.2	81.6	71.4	63.5	57.1	51.9	47.6
418103	103	20	.923	73.1	60.9	52.2	45.7	40.6	36.6	33.2	30.5
		30	1.130	89.5	74.6	63.9	55.9	49.7	44.7	40.7	37.3
		40	1.310	103.8	86.5	74.1	64.8	57.6	51.9	47.2	43.2
		50	1.460	115.6	96.4	82.6	72.3	64.2	57.8	52.6	48.2
		60	1.600	126.7	105.6	90.5	79.2	70.4	63.4	57.6	52.8
		70	1.738	137.6	114.7	98.3	86.0	76.5	68.8	62.6	57.4
		80	1.850	146.5	122.1	104.7	91.6	81.4	73.3	66.6	61.1
418110	110	20	1.100	87.1	72.6	62.2	54.5	48.4	43.6	39.6	36.3
		30	1.340	106.1	88.4	75.8	66.3	59.0	53.1	48.2	44.2
		40	1.550	122.8	102.3	87.7	76.7	68.2	61.4	55.8	51.2
		50	1.730	137.0	114.2	97.9	85.6	76.1	68.5	62.3	57.1
		60	1.900	150.5	125.4	107.5	94.1	83.6	75.2	68.4	62.7
		70	2.056	162.8	135.7	116.3	101.8	90.5	81.4	74.0	67.8
		80	2.190	173.4	144.5	123.9	108.4	96.4	86.7	78.8	72.3
418132	132	20	1.550	122.8	102.3	87.7	76.7	68.2	61.4	55.8	51.2
		30	1.900	150.5	125.4	107.5	94.1	83.6	75.2	68.4	62.7
		40	2.190	173.4	144.5	123.9	108.4	96.4	86.7	78.8	72.3
		50	2.450	194.0	161.7	138.6	121.3	107.8	97.0	88.2	80.9
		60	2.680	212.3	176.9	151.6	132.7	117.9	106.1	96.5	88.4
		70	2.978	235.9	196.5	168.5	147.4	131.0	117.9	107.2	98.3
		80	3.100	245.5	204.6	175.4	153.5	136.4	122.8	111.6	102.3

GREENLEAF TECHNOLOGIES

Variable Rate Nozzle
for 360 Y-DROP™ or 360 BANDIT™

See above for ordering information.

Order No.	Series No.	PSI	GPM 1 Nozzle	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH
418015	TDVRHB015	20	.174	13.8	11.5	9.8	8.6	7.7	6.9	6.3	5.7
		30	.266	21.1	17.6	15.0	13.2	11.7	10.5	9.6	8.8
		40	.350	27.7	23.1	19.8	17.3	15.4	13.9	12.6	11.6
		50	.391	31.0	25.8	22.1	19.4	17.2	15.5	14.1	12.9
		60	.443	35.1	29.2	25.1	21.9	19.5	17.5	15.9	14.6
		70	.483	38.3	31.9	27.3	23.9	21.3	19.1	17.4	15.9
		80	.516	40.9	34.1	29.2	25.5	22.7	20.4	18.6	17.0
418020	TDVRHB02	20	.251	19.9	16.6	14.2	12.4	11.0	9.9	9.0	8.3
		30	.384	30.4	25.3	21.7	19.0	16.9	15.2	13.8	12.7
		40	.512	40.6	33.8	29.0	25.3	22.5	20.3	18.4	16.9
		50	.575	45.5	38.0	32.5	28.5	25.3	22.8	20.7	19.0
		60	.653	51.7	43.1	36.9	32.3	28.7	25.9	23.5	21.5
		70	.744	55.1	45.9	39.4	34.5	30.6	27.6	25.1	23.0
		80	.779	58.9	49.1	42.1	36.8	32.7	29.5	26.8	24.6
418030	TDVRHB03	20	.326	25.8	21.5	18.4	16.1	14.3	12.9	11.7	10.8
		30	.492	39.0	32.5	27.8	24.4	21.6	19.5	17.7	16.2
		40	.661	52.4	43.6	37.4	32.7	29.1	26.2	23.8	21.8
		50	.739	58.5	48.8	41.8	36.6	32.5	29.3	26.6	24.4
		60	.825	65.3	54.5	46.7	40.8	36.3	32.7	29.7	27.2
		70	.885	70.1	58.4	50.1	43.8	38.9	35.0	31.9	29.2
		80	.943	74.7	62.2	53.3	46.7	41.5	37.3	33.9	31.1
418050	TDVRHB05	20	.642	50.8	42.4	36.3	31.8	28.2	25.4	23.1	21.2
		30	.758	60.0	50.0	42.9	37.5	33.4	30.0	27.3	25.0
		40	.930	73.7	61.4	52.6	46.0	40.9	36.8	33.5	30.7
		50	1.039	82.3	68.6	58.8	51.4	45.7	41.1	37.4	34.3
		60	1.091	86.4	72.0	61.7	54.0	48.0	43.2	39.3	36.0
		70	1.269	100.5	83.8	71.8	62.8	55.8	50.3	45.7	41.9
		80	1.368	108.3	90.3	77.4	67.7	60.2	54.2	49.2	45.1