

Item 33

Pesticide Use Annual Report to DEC (Last 3 Years)



National Grid

National Grid Transmission USA

New York Division
Herbicide Use
2001 System Total

Technique Cut / Stumptreat	Code	Chemical Pathway	Mixture Gallons	Acres	Gal / Acre	Concent. Gallons	Gal / Acre
	A	Pathway	178			178.0	
	B	Accord 50/50	118			59.0	
	C	Glypro 40/60	4			1.6	
			<u>300</u>	<u>1,839.0</u>	<u>0.16</u>	<u>239</u>	<u>0.13</u>
Hydraulic Low-Volume Foliar	G	Tordon101/ Garlon 4	26,905			235.4 168.2	
	H	Accord/ Arsenal	16,860			252.9 63.2	
	J	Glypro Arsenal	30,194			339.7 113.2	
			<u>73,959</u>	<u>3,138.2</u>	<u>23.57</u>	<u>1172.6</u>	<u>0.37</u>
Backpack Low-Volume Foliar	K	Accord/ Arsenal	2444			122.2 12.2	
	L	Glypro Arsenal	509			19.1 2.5	
	R	Krenite Arsenal	268			13.4 1.3	
	X	TordonK Garlon4	4			0.1 0.1	
	W	Krenite Arsenal Escort	725			36.3 1.8 0.2	
			<u>3,950</u>	<u>944.5</u>	<u>4.18</u>	<u>209.3</u>	<u>0.22</u>
Total Concentrate			<u>Gallons</u>				
Accord			434.1				
Glypro			360.4				
Arsenal			191.8				
Tordon 101			235.4				
Garlon 4			168.3				
Pathway			178.0				
TordonK			0.1				
Krenite			49.7				
			<u>1,617.7</u>				

**NIAGARA MOHAWK POWER CORPORATION
HERBICIDE CODES FOR BRUSH CONTROL - YEAR 2001**

Code	Trade Name Pathway	EPA #	Percent Active	Mixture	Treatment
A		62719-31	5.4% Picloram 20.9% 2,4-D	Premixed, Ready-to-use	Stump
B	Accord w/Water	524-326	41.5% Glypho.	50% Accord/50% Water	Stump
C	Accord C. or Glypho w/Water	524-343/62719-324	53.8% Glypho.	40% Accord C/60% Water	Stump
D	Pathfinder II	62719-176	13.6% Triclopyr	Premixed, Ready-to-use	Basal
E	Garlon 4/Stalker	62719-40 241-398	61.6% Triclopyr 27.6% Imazapyr	20% / 1% in Hi-Grade Oil	Basal
F	Tordon 101/Garlon 4 Hydraulic High Volume	62719-5 62179-40	10.2% Picloram 39.6% 2,4-D 61.6% Triclopyr	2 qts./1.5 qts. in 100 gals. Water (0.5% Tordon 101/0.375% Garlon4)	Selective Foliar (SF)
G	Tordon 101/Garlon 4 Hydraulic Low Volume	62719-5 62719-40	10.2% Picloram 39.6% 2,4-D 61.6% Triclopyr	3.5 qts./2.5 qts. in 100 gals. Water (0.875% Tordon 101/0.625% Garlon 4)	Selective Foliar (SF)
H	Accord/Arsenal Hydraulic Low Volume	524-326 241-346	41.5% Glypho. 28.7% Imazapyr	6 qts./1.5 qts. in 100 gals Water (1.5% Accord/0.375% Arsenal)	Selective Foliar (SF)
J	Accord C or Glypho/Arsenal Hydraulic Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	4.5 qts./1.5 qts. in 100 gals Water (1.125% AccordC/0.375% Arsenal)	Selective Foliar (SF)
P	Krenite/Arsenal Hydraulic Low Volume	352-395 241-346	41.5% Fosamine 28.7% Imazapyr	2 gals./1.5 qts. in 100 gals. Water (2% Krenite/0.375% Arsenal)	Selective Foliar (SF)
S	Accord/Arsenal/Escort Hydraulic Low Volume	524-326 241-346 352-439	41.5% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	6 qts./1.5 qts./2 oz. in 100 gals. Water (1.5% Accord/0.375% Arsenal/Escort)	Selective Foliar (SF)
T	Accord C*/Arsenal/Escort Hydraulic Low Volume	524-343/62719-324 241-346 352-439	53.8% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	4.5 qts./1.5 qts./2 oz. in 100 gals. Water (1.125% Accord C*/0.375% Arsenal/Escort)	Selective Foliar (SF)
K	Accord/Arsenal Backpack Low Volume	524-326 241-346	41.5% Glypho. 28.7% Imazapyr	5 gals./2 qts. in 100 gals. Water (5% Accord/0.5% Arsenal)	Selective Foliar (LSF)
L	Accord C or Glypho/Arsenal Backpack Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	3.75 gals/2 qts in 100 gals Water (3.75% AccordC/0.5% Arsenal)	Selective Foliar (LSF)
U	Accord/Arsenal/Escort Backpack Low volume	524-326 241-346 352-439	41.5% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	5 gals./1 qt./4 oz. in 100 gals. Water (5% Accord/0.25% Arsenal/Escort)	Selective Foliar (LSF)
V	Accord C*/Arsenal/Escort Backpack Low Volume	524-343/62719-324 241-346 352-439	53.8% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	3.75 gals./1 qt./4 oz. in 100 gals. Water 3.75% Accord C/0.25% Arsenal/Escort)	Selective Foliar (LSF)
R	Krenite/Arsenal Backpack Low Volume	352-395 241-346	41.5% Fosamine 28.7% Imazapyr	5 gals./2 qts. in 100 gals. Water (5% Krenite/0.5% Arsenal)	Selective Foliar (LSF)
W	Krenite/Arsenal/Escort Backpack Low Volume	352-395 241-346 352-439	41.5% Fosamine 28.7% Imazapyr 60.0% Metsulfuron	5 gals./1 qt./4 oz. in 100 gals. Water (5% Krenite/0.25% Arsenal/Escort)	Selective Foliar (LSF)
X	Tordon K/Garlon 4 Backpack Low Volume	62719-17 62719-40	24.4% Picloram 61.6% Triclopyr	2 gals/3 gals in 100 gals. Water 2% Tordon K/3% Garlon 4	Selective Foliar (LSF)
Z	Test Plots	<i>ON BASIC</i>			

NOTE: Accord is no longer manufactured. Once inventory is exhausted, Accord Concentrate and Glypho will be used. Both products have a higher concentration of active ingredient (glyphosphate). *Glypho or Accord Concentrate may be used in these mixes.

2001 Soil Sterilant
 8 lbs. Karmex/3 ozs. Oust per 100 gals. Water per acre
 8 lbs. Krovar/3 ozs. Oust per 100 gals Water per acre
 1.5 ozs. Telar/2 qts. Accord/3 ozs. Oust per 100 gals Water per acre
 3 pts. Arsenal/4 ozs. Oust per 100 gals. Water per acre

National Grid Transmission USA
New York
2002 Herbicide Use Report

<u>Technique</u>	<u>Code</u>	<u>Chemical</u>	<u>Mixture</u>	<u>Gal /</u>	<u>Concent.</u>	<u>Gal /</u>
<u>Cut /</u>	<u>A</u>	<u>Pathway</u>	<u>Gallons</u>	<u>Acres</u>	<u>Acres</u>	<u>Gallons</u>
<u>Stumpreat</u>			430			430.0
	B	Accord/Glypro	78			31.2
	E	Garlon/Stalk	31			6.2/.31
			539	1,807.4	0.30	461 0.26
High Volume Foliar	F	Tordon/Garlon	32,982	828.9	39.80	164.9/ 123.7 0.35
Hydraulic Low-Volume Foliar	G	Tordon101/ Garlon 4	42,666			373.3 266.7
	H	Accord/ Arsenal	1,125			16.9 4.2
	J	Glypro Arsenal	28,613			321.9 107.3
	M	Accord/ Arsenal	4,275			64.1 5.3
	P	Krenite/ Arsenal	1,600			32.0 6.0
	Q	Accord C/ Escort	805			9.0 16.1 oz
	T	AccordC/ Arsenal Escort	971			10.9 3.1 16.1 oz
			80,055	2,057.9	38.90	1220.7 0.59
Backpack Low-Volume Foliar	K	Accord/ Arsenal	424			21.2 2.1
	L	Glypro Arsenal	1212			45.5 6.1
	R	Krenite Arsenal	55			2.8 0.3
			1,691	804.1	2.10	77.9 0.10
Total Concentrate			Gallons			
			102.2			
			418.5			
			134.3			
			0.3			
			538.2			
			396.5			
			430.0			
			2.8			
			2,022.8			
Escort	32.7 ounces					

NMPC - HERBICIDE CODES FOR BRUSH CONTROL - YEAR 2002

Code	Trade Name	EPA #	Percent Active	Mixture	Treatment
A	Pathway	62719-31	5.4% Picloram 20.9% 2,4-D	Premixed, Ready-to-use	Stump
B	Accord w/Water	524-326	41.5% Glypho.	50% Accord/50% Water	Stump
C	Accord C. or Glypro w/Water	524-343/62719-324	53.8% Glypho.	40% Accord C/60% Water	Stump
D	Pathfinder II	62719-176	13.6% Triclopyr	Premixed, Ready-to-use	Basal
E	Garlon 4/Stalker	62719-40 241-398	61.6% Triclopyr 27.6% Imazapyr	20% / 1% in Hi-Grade Oil	Basal
F	Tordon 101/Garlon 4 Hydraulic High Volume	62719-5 62179-40	10.2% Picloram 39.6% 2,4-D 61.6% Triclopyr	2 qts./1.5 qts. in 100 gals. Water (0.5% Tordon 101/0.375% Garlon4)	Selective Foliar (SF)
G	Tordon 101/Garlon 4 Hydraulic Low Volume	62719-5 62719-40	10.2% Picloram 39.6% 2,4-D 61.6% Triclopyr	3.5 qts./2.5 qts. in 100 gals. Water (0.875% Tordon 101/0.625% Garlon 4)	Selective Foliar (SF)
H	Accord/Arsenal Hydraulic Low Volume	524-326 241-346	41.5% Glypho. 28.7% Imazapyr	6 qts./1.5 qts. in 100 gals Water (1.5% Accord/0.375% Arsenal)	Selective Foliar (SF)
J	Accord C or Glypro/Arsenal Hydraulic Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	4.5 qts./1.5 qts. in 100 gals Water (1.125% AccordC/0.375% Arsenal)	Selective Foliar (SF)
M	Accord/Arsenal Hydraulic Low Volume	524-326 241-346	41.5% Glypho. 28.7% Imazapyr	6 qts./1 pt. in 100 gals Water (1.5% Accord/0.125% Arsenal)	Selective Foliar (SF)
N	Accord C or Glypro/Arsenal Hydraulic Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	4.5 qts./1 pt. in 100 gals Water (1.125% AccordC/0.125% Arsenal)	Selective Foliar (SF)
P	Krenite/Arsenal Hydraulic Low Volume	352-395 241-346	41.5% Fosamine 28.7% Imazapyr	2 gals./1.5 qts. in 100 gals. Water (2% Krenite/0.375% Arsenal)	Selective Foliar (SF)
S	Accord/Arsenal/Escort Hydraulic Low Volume	524-326 241-346 352-439	41.5% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	6 qts./1.5 qts./2 oz. in 100 gals. Water (1.5% Accord/0.375% Arsenal/Escort)	Selective Foliar (SF)
Q	Accord C*/Escort Hydraulic Low Volume	524-343/62719-324 352-439	53.8% Glypho. 60.0% Metsulfuron	4.5 qts./2 oz. in 100 gals. Water (1.125% Accord C/Escort)	Selective Foliar (SF)
T	Accord C*/Arsenal/Escort Hydraulic Low Volume	524-343/62719-324 241-346 352-439	53.8% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	4.5 qts./1.5 qts./2 oz. in 100 gals. Water (1.125% Accord C/0.375% Arsenal/Escort)	Selective Foliar (SF)
K	Accord/Arsenal Backpack Low Volume	524-326 241-346	41.5% Glypho. 28.7% Imazapyr	5 gals./2 qts. in 100 gals. Water (5% Accord/0.5% Arsenal)	Selective Foliar (LSF)
L	Accord C or Glypro/Arsenal Backpack Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	3.75 gals/2 qts in 100 gals Water (3.75% AccordC/0.5% Arsenal)	Selective Foliar (LSF)
U	Accord/Arsenal/Escort Backpack Low volume	524-326 241-346 352-439	41.5% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	5 gals./1 qt/4 oz. in 100 gals. Water (5% Accord/0.25% Arsenal/Escort)	Selective Foliar (LSF)
V	Accord C*/Arsenal/Escort Backpack Low Volume	524-343/62719-324 241-346 352-439	53.8% Glypho. 28.7% Imazapyr 60.0% Metsulfuron	3.75 gals./1 qt/4 oz. in 100 gals. Water 3.75% Accord C/0.25% Arsenal/Escort)	Selective Foliar (LSF)
R	Krenite/Arsenal Backpack Low Volume	352-395 241-346	41.5% Fosamine 28.7% Imazapyr	5 gals./2 qts. in 100 gals. Water (5% Krenite/0.5% Arsenal)	Selective Foliar (LSF)
W	Krenite/Arsenal/Escort Backpack Low Volume	352-395 241-346 352-439	41.5% Fosamine 28.7% Imazapyr 60.0% Metsulfuron	5 gals./1 qt/4 oz. in 100 gals. Water (5% Krenite/0.25% Arsenal/Escort)	Selective Foliar (LSF)
X	Tordon K/Garlon 4 Backpack Low Volume	62719-17 62719-40	24.4% Picloram 61.6% Triclopyr	2 gals/3 gals in 100 gals. Water 2% Tordon K/3% Garlon 4	Selective Foliar (LSF)
Z	Test Plots				

NOTE: Once Accord inventory is exhausted, Accord Concentrate and Glypro will be used. Both products have a higher concentration of active ingredient (glyphosphate). *Either Glypro or Accord Concentrate may be used in these mixes.

2002 Soil Sterilant

8 lbs. Krovar/3 ozs. Oust per 100 gals Water per acre
1.5 ozs. Telar/2 qts. Accord/3 ozs. Oust per 100 gals Water per acre
3 pts. Arsenal/4 ozs. Oust per 100 gals. Water per acre



National Grid

National Grid Transmission USA

**New York State
System Herbicide Use
2003**

Technique	Code	Chemical	Mixture Gallons	Acres	Gal / Acre	Concent. Gallons	Gal / Acre
Cut / Stumptreat	A	Pathway	427			427.0	
	B	AccordC or Glypr/Ars.	279			120.0	
	C	AccC or. Glypr	421			168.4	
			<u>1,127</u>	<u>2,816.5</u>	<u>0.40</u>	<u>715</u>	<u>0.25</u>
Hydraulic High Volume	F	Tordon101/ Garlon 4	15,530			77.7	
						58.2	
			<u>15,530</u>	<u>414.7</u>	<u>37.45</u>	<u>135.9</u>	<u>0.33</u>
Hydraulic Low Volume	G	Tordon101/ Garlon	5,550			27.8	
						41.6	
	N	Glypro/ Arsenal	39,764			447.3	
						49.7	
	P	Krenite/ Arsenal& Escort	2,400			48.0	
							6.0
						0.8	
			<u>47,714</u>	<u>1,549.8</u>	<u>30.79</u>	<u>621.2</u>	<u>0.40</u>
Backpack Low-Volume Foliar	L	.ccord or Glyp Arsenal	6540			245.3	
						8.2	
	W	Krenite/ Arsenal& Escort	352			17.6	
							0.9
						0.1	
			<u>6,892</u>	<u>2,062.4</u>	<u>3.34</u>	<u>272.0</u>	<u>0.13</u>
Total Concentrate			Gallons				
AccordC or Glypro			981.0				
Arsenal			64.8				
Tordon 101			105.4				
Garlon 4			99.9				
Pathway			427.0				
Krenite			65.6				
			<u>1,743.6</u>				

Escort 55 ounces

New York - HERBICIDE CODES FOR BRUSH CONTROL - YEAR 2003

Code	Trade Name	EPA #	Percent Active	Mixture	Treatment
A#	Pathway	62719-31	5.4% Picloram 20.9% 2,4-D	Premixed, Ready-to-use	Stump
B	Accord C or Glypro/Arsenal	524-343/62719-324/241-346	53.8% Glypho.	40% Accord C / 3% Arsenal / 57% Water	Stump
C	Accord C. or Glypro	524-343/62719-324	53.8% Glypho.	40% Accord C / 60% Water	Stump
D	Pathfinder II	62719-176	13.6% Triclopyr	Premixed, Ready-to-use	Basal
E#	Garlon 4/Stalker	62719-40 241-398	61.6% Triclopyr 27.6% Imazapyr	20% / 1% in Hi-Grade Oil	Basal
F#	Tordon 101/Garlon 4 Hydraulic High Volume	62719-5 62179-40	10.2% Picloram 39.6% 2,4-D 61.6% Triclopyr	2 qts./ 1.5 qts. in 100 gals. Water (0.5% Tordon 101 / 0.375% Garlon4)	Selective Foliar (SF)
G#	Tordon 101/Garlon 4 Hydraulic Low Volume	62719-5 62719-40	10.2% Picloram 39.6% 2,4-D 61.6% Triclopyr	2 qts./ 3 qts. in 100 gals. Water (0.5% Tordon 101 / 0.75% Garlon 4)	Selective Foliar (SF)
N	Accord C or Glypro/Arsenal Hydraulic Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	4.5 qts./ 1 pt. in 100 gals Water (1.125% AccordC / 0.125% Arsenal)	Selective Foliar (SF)
P	Krenite/Arsenal/Escort Hydraulic Low Volume	352-395 241-346 352-439	41.5% Fosamine 28.7% Imazapyr 60.0% Metsulfuron	2 gals./ 1 qts. / 2 oz. in 100 gals. Water (2% Krenite / 0.25% Arsenal / Escort)	Selective Foliar (SF)
T	Accord C* /Escort Hydraulic Low Volume	524-343/62719-324 241-346	53.8% Glypho. 60.0% Metsulfuron	4.5 qts./ 2 oz. in 100 gals. Water (1.125% Accord C / Escort)	Selective Foliar (SF)
L#	Accord C or Glypro/Arsenal Backpack Low Volume	524-343/62719-324 241-346	53.8% Glypho. 28.7% Imazapyr	3.75 gals / 1 pt in 100 gals Water (3.75% AccordC / 0.125% Arsenal)	Selective Foliar (LSF)
R	Krenite/Arsenal Backpack Low Volume	352-395 241-346	41.5% Fosamine 28.7% Imazapyr	5 gals./ 1 qts. in 100 gals. Water (5% Krenite / 0.25% Arsenal)	Selective Foliar (LSF)
W	Krenite/Arsenal/Escort Backpack Low Volume	352-395 241-346 352-439	41.5% Fosamine 28.7% Imazapyr 60.0% Metsulfuron	5 gals./ 1 qt./ 4 oz. in 100 gals. Water (5% Krenite / 0.25% Arsenal/Escort)	Selective Foliar (LSF)
X	Accord or Glypro/Escort Backpack Low Volume	524-343/62719-324 352-439	53.8% Glypho. 60.0% Metsulfuron	3.75 gals./ 2 oz. in 100 gals. Water 3.75% Accord C / Escort)	Selective Foliar (LSF)
Z	Test Plots				

NOTES: * Either Glypro or Accord Concentrate may be used in these mixes.
Primary herbicide mix.

2003 Soil Sterilant

8 lbs. Krovar / 3 ozs. Oust per 100 gals Water per acre
3 pts. Arsenal / 4 ozs. Oust per 100 gals. Water per acre
5 lbs. Predict / 3 ozs. Oust per 100 gals. Water per acre #