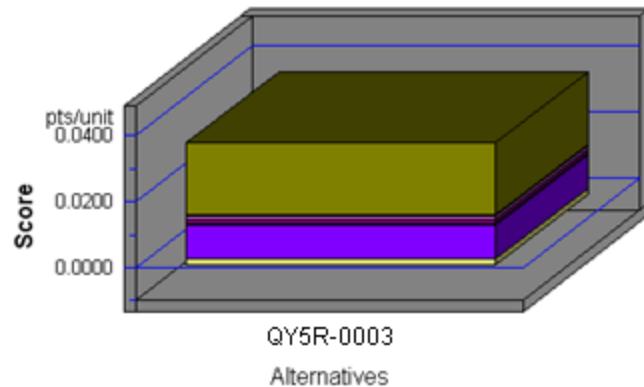


## Environmental Performance



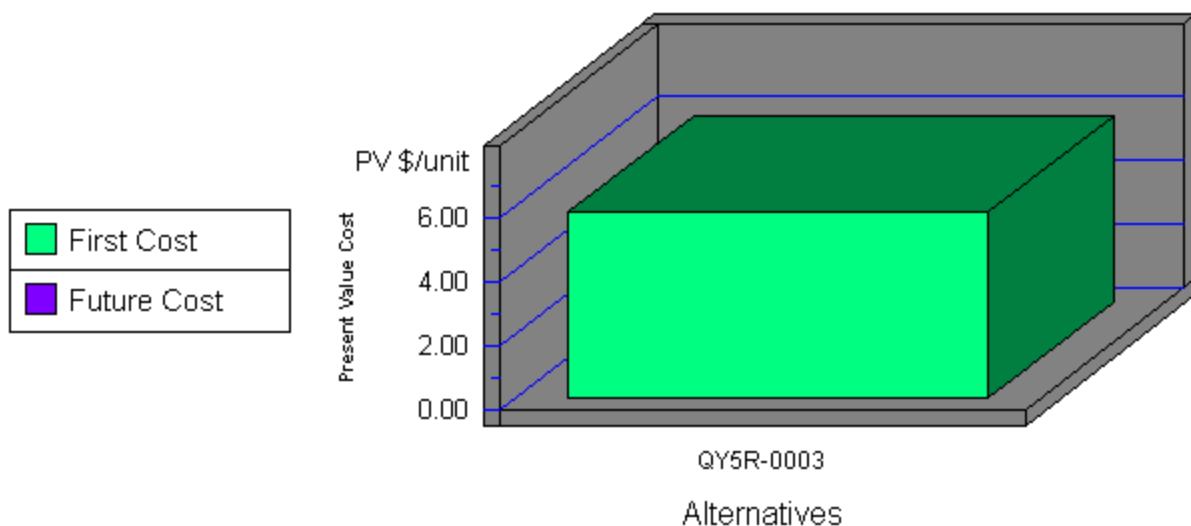
Note: Lower values are better

Category	QY5R-0003
Acidification--3%	0.0000
Crit. Air Pollutants--9%	0.0001
Ecolog. Toxicity--7%	0.0217
Eutrophication--6%	0.0006
Fossil Fuel Depl.--10%	0.0009
Global Warming--29%	-0.0017
Habitat Alteration--6%	0.0000
Human Health--13%	0.0012
Indoor Air--3%	0.0000
Ozone Depletion--2%	0.0000
Smog--4%	0.0003
Water Intake--8%	0.0104
<b>Sum</b>	<b>0.0335</b>

Agricultural Spray Adjuvants		
Impacts	Units	QY5R-0003
Acidification	millimoles H <sup>+</sup> equivalents	5.18E+02
Criteria Air Pollutants	microDALYs	1.65E-01
Ecotoxicity	g 2,4-D equivalents	2.53E+02
Eutrophication	g N equivalents	1.88E+00
Fossil Fuel Depletion	MJ surplus energy	3.10E+00
Global Warming	g CO <sub>2</sub> equivalents	-1.50E+03
Habitat Alteration	T&E count	0.00E+00
Human Health--Cancer	g C <sub>6</sub> H <sub>6</sub> equivalents	7.44E-01
Human Health--NonCancer	g C <sub>7</sub> H <sub>8</sub> equivalents	3.95E+02
Indoor Air Quality	g TVOCs	0.00E+00
Ozone Depletion	g CFC-11 equivalents	2.72E-08
Smog	g NO <sub>x</sub> equivalents	1.02E+01
Water Intake	liters of water	6.89E+02
Functional Unit	-----	1 treated acre

1 Following are more complete descriptions of units: Acidification: millimoles of hydrogen ion equivalents; Criteria Air Pollutants: micro Disability-Adjusted Life Years; Ecological Toxicity: grams of 2,4-dichlorophenoxy-acetic acid equivalents; Eutrophication: grams of nitrogen equivalents; Fossil Fuel Depletion: megajoules of surplus energy; Global Warming: grams of carbon dioxide equivalents; Habitat Alteration: threatened and endangered species count; Human Health-Cancer: grams of benzene equivalents; Human Health-NonCancer: grams of toluene equivalents; Indoor Air Quality: grams of Total Volatile Organic Compounds; Ozone Depletion: grams of chloroflourocarbon-11 equivalents; Smog: grams of nitrogen oxide equivalents; and Water Intake: liters of water.

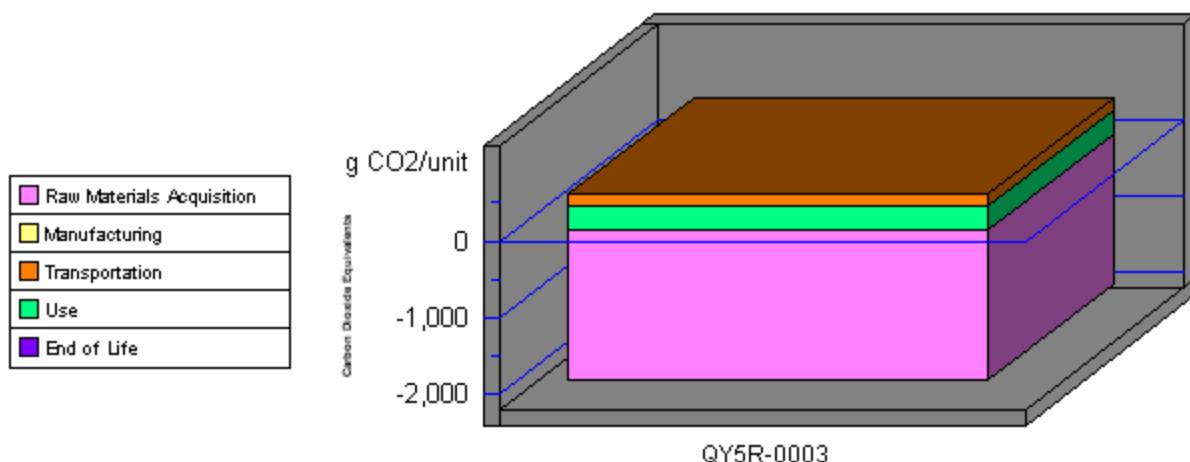
## Economic Performance



Category	QY5R-0003
First Cost	5.84
Future Cost-- 3.0%	0.00
<b>Sum</b>	<b>5.84</b>

\*This is a consumable product. Therefore, future costs are not calculated.

## Global Warming by Life-Cycle Stage

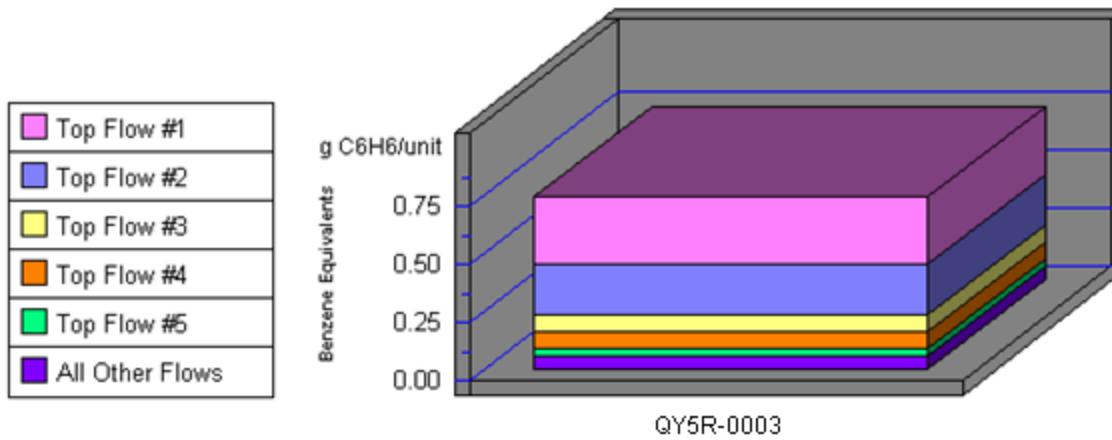


**Note: Lower values are better**

Alternatives

Category	QY5R-0003
1. Raw Materials	-1967
2. Manufacturing	1
3. Transportation	160
4. Use	303
5. End of Life	0
<b>Sum</b>	<b>-1503</b>

### Human Health Cancer by Sorted Flows\*

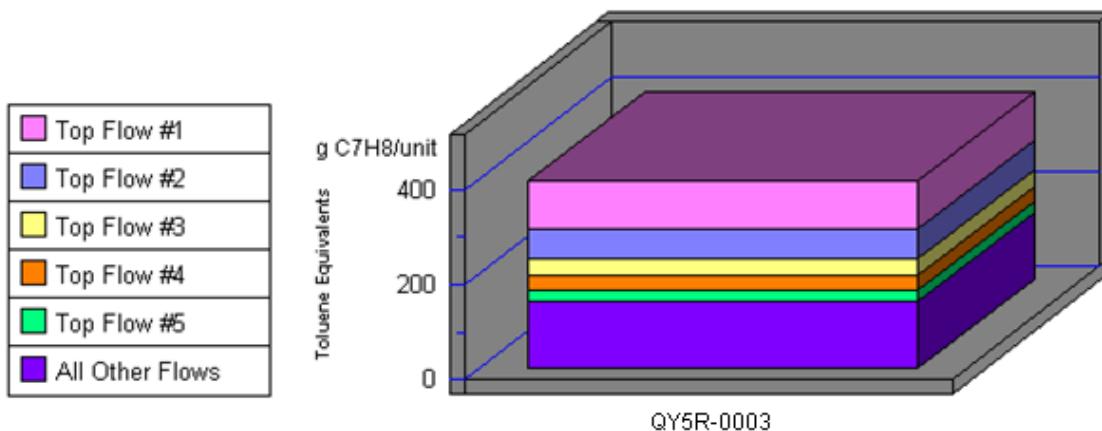


**Note: Lower values are better**      Alternatives

Category	QY5R-0003
Cancer--(w) Arsenic (As3+, As5+)	0.29
Cancer--(w) Phenol (C6H5OH)	0.21
Cancer--(a) Simazine	0.08
Cancer--(a) Ethylene Oxide (C2H)	0.07
Cancer--(a) Benzene (C6H6)	0.03
All Others	0.06
<b>Sum</b>	<b>0.74</b>

\*Sorted by five topmost flows for worst-scoring product

### Human Health Noncancer by Sorted Flows\*



**Note: Lower values are better**

Category	QY5R-0003
Noncancer--(w) Barium (Ba++)	103.23
Noncancer--(w) Lead (Pb++, Pb4+)	59.73
Noncancer--(a) Dioxins (unspeci)	37.09
Noncancer--(w) Mercury (Hg+, Hg)	30.55
Noncancer--(w) Aldicarb (C <sub>7</sub> H <sub>14</sub> N)	23.75
All Others	140.31
<b>Sum</b>	<b>394.66</b>

\*Sorted by five topmost flows for worst-scoring product