

## Common Herbicides used in Apple Production and their Evaluation Utilizing Four Eco-labeling Group Standards

| Common Name         | Trade Name           | Class                  | Healthy Grown Toxicity* | Food Alliance Midwest * | Canada Standards | Gerber | EIQ   |
|---------------------|----------------------|------------------------|-------------------------|-------------------------|------------------|--------|-------|
| <b>Herbicides:</b>  |                      |                        |                         |                         |                  |        |       |
| 2,4-D               | Formula 40           | phenoxy                |                         |                         |                  |        |       |
| 2,4-0               | Weedar 64            | phenoxy                |                         |                         |                  |        |       |
| clethodim           | Selec 2EC            | Cyclohexene oxime      |                         |                         |                  |        | 17    |
| dichlobenil         | Casoron 4 G          | Nitrile                |                         |                         |                  |        | 18    |
| diuron              | Karmex 80 DF         | phenylurea             |                         |                         |                  |        | 20.5  |
| fluazifop-P         | Fusilade DX          | phenoxy                |                         |                         |                  |        |       |
| glufosinate         | Rely                 | organophosphate        |                         |                         |                  |        | 13.2  |
| glyphosate          | Roundup formulations | organophosphate        | 40                      |                         |                  |        | 32.4  |
| isoxaben            | Gallery 75 DF        | amide                  |                         |                         |                  |        |       |
| isoxaben + oryzalin | Snapshot 80 OF       | amide + dinitroaniline |                         |                         |                  |        | ~17.7 |
| napropamide         | Devrinol 50 DF       | amide                  |                         |                         |                  |        | 18    |
| norflurazon         | Evital 5G            | pyridazinone           |                         |                         |                  |        | ~18.8 |
| norflurazon         | Solicam 80 DF        | pyridazinone           |                         |                         |                  |        | 18.8  |
| oryzalin            | Surflan AS           | dinitroaniline         |                         |                         |                  |        | 17.7  |
| oxyfluorfen         | Goal XL 2E           | nitrophenyl ether      |                         |                         |                  |        | 46.8  |
| paraquat            | Gramoxone Extra      | quaternary ammonia     | 81                      |                         |                  |        | 70    |
| pendimethalin       | Prowl 3.3 EC         | dinitroaniline         | 102                     |                         |                  |        | 25.8  |
| pronamide           | Kerb 50 WP           | -                      |                         |                         |                  |        | 36    |
| sethoxydim          | Poast                | cyclohexine oxime      | 48                      |                         |                  |        | 27.5  |
| simazine            | Princep formulations | triazine               |                         |                         |                  |        | 15.7  |
| sulfosate           | Touchdown 6 F        | organophosphate        |                         |                         |                  |        |       |
| terbacil            | Sinbar 80 WP         | uracil                 |                         |                         |                  |        | 16.8  |

\* Healthy Grown standard was developed for potatoes, apple standard in progress

\*Food Alliance standard revisions in progress to be completed May 2003

~ chemical ranking cites a different trade name