

## Pendimethalin

Common name: pendimethalin

IUPAC name: *N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine

Chemical Abstracts name: *N*-(1-ethylpropyl) -3,4-dimethyl-2,6-dinitrobenzenamine

Molecular weight: 281.3

Molecular formula: C<sub>13</sub>H<sub>19</sub>N<sub>3</sub> O<sub>4</sub>

Formulation: 330g/l EC

Applications

Biochemistry

Microtubule assembly inhibition.

Mode of action

Selective herbicide, absorbed by the roots and leaves. Affected plants die shortly after germination or following emergence from the soil.

Uses

Control of most annual grasses and many annual broad-leaved weeds, in cereals, onions, leeks, garlic, fennel, maize, sorghum, rice, soya beans, peanuts, brassicas, carrots, celery, black salsify, peas, field beans, lupins, evening primrose, tulips, potatoes, cotton, hops, pome fruit, berry fruit, etc. Applied at 618.75-742.5g/ha.

330g/IEC characteristics:

Item	Index
Appearance	Even liquid
Content, g/l	330
Water, %	≤0.4
Acid(calculated by H <sub>2</sub> SO <sub>4</sub> )	≤0.3

Storage and transportation:

Put in a ventilated and dry place. Keep away from food, seed and feed. Do not touch eyes, skin and be absorbed by mouth and nose..