

Subject Index

A

Abrasion resistance, 55
 Acetanilides, 149
 Adjuvant, 95, 115, 171, 184
 Agricultural, 125
 Air-blast, 213
 Air entrapment, 184
 Air inclusion nozzle, 213
 Air induction, 213
 Alcohol ethoxylate, 45
 Alkyl ether citrate, 125
 Alkyl polyglycoside, 3
 Alternate formulations, 237
 Ammonium nitrate, 15
 Apogee, 213
 Aqueous emulsion, 106
 ASTM E 726, 198
 Atlox® Metasperse 100L, 55
 Atlox® SemKote, 55
 Auxin, 15
 Azoxistrobin, 106

B

Baking soda, 115
 Barnyard grass, 171
 Basic blend, 115
 Box-Behnken, 55
 Buffer, 115
 Buffer zone, 171

C

Calcium ions, 95
 Capture efficiency, 171
 Carbon chain length, 68
 Carcinogen, 149
 Carfentrazone-ethyl, 184
 CFR, 237
 Citric acid alkylether ester emulsifiers, 125
 Cocklebur, 115
 Colorimetry, 221
 Concentrated emulsion, 125
 Cotton insecticide, 184
 Crabgrass, 115
 Cuticle, 15

D

Defoliant, 184
 Deposit, 15

Deposition, 171
 Diammonium sulfate, 158
 Dicamba, 158
 2,4-Dichlorophenoxy acetic acid, 95, 140
 Diffusion, 15
 Diluent, 32
 Dilute formulation, 106
 Dispersant, 32, 85
 Droplet size, 3, 221
 Drop nozzle, 184
 Dynamic interfacial tension, 125
 Dynamic surface tension, 32

E

Emulsifiable concentrate, 106
 Emulsifier, 125
 Environmental Protection Agency, 149, 237, 266
 Esterfied seed oil, 140
 Ethephon/cyclanilide, 184
 2-Ethylhexyl ester, 140

F

Federal Insecticide, Fungicide, and Rodenticide Act, 237, 266
 Fluormetry, 221
 Focused beam reflectance measurement, 125
 Food Quality Protection Act of 1996, 266
 Formulations, 3, 45, 237
 FQPA, 237
 Fungicide, 106

G

Gaicho® FS 600 ROT, 55
 Glass transition temperature, 55
 Glycerol esters, 3
 Glycerol monooleate, 3
 Glyphosate, 149, 158
 Granular material, 198
 Guidelines, 237

H

Herbicide, 45, 95, 115, 149
 acidic, 158
 HM-9625-A, 140
 HM-9625-B, 140
 Hollow cone nozzle, 184, 213

Hydrophilicity, 115

I

Identical, 237

Indoxacarb, 184Inerts, 266

Insecticide, 184

Interfacial tension, dynamic, 125

Ion-pair, 95

Iso-octyl 2,4-dichlorophenoxyacetate, 125

Isopropylamine, 158

K

Kaolin clay, 32

Kraft, 85

Kresoxin-methyl, 106

L

Laser diffraction, 198

Latex emulsion polymers, 55

Leaf damage, 184

Lignin, 85

Linear alkylbenzene sulfonate, 45

Lipophilicity, 95, 115

Liquid crystal, 45

Lycopersicon esculentum, 15**M**

Mass spectrometry, 149

Maxim® XL, 55

McIntosh apple, 213

Metabolism, 149

Methyl ester, 68

“Me-too” registration, 237

Micelles, 106

Microemulsion, 3

Modified seed oil, 3, 115

Monsanto, 149

N

1-Naphthylacetic acid, 15

Nicosulfuron, 115

Non-Agricultural Working Group, 266

Nonspherical particles, 198

Nuclear magnetic resonance, 149

O

Oil concentrate, 68, 115

Organophosphonates, 149

Organosilicone, 77, 140

P

Particle size distribution, 198

Particle, 115

Particle size, 125

Particle sphericity, 198

Penetration rate, 15

Perennial weeds, 149

Pesticides, specifications and data requirements, 237

pH, 15, 95, 115

Phase behavior, 45

Phenoxy ester herbicide, 125

Phenoxy herbicides, 140

Phosphonates, 149

Phytotoxicity, 77

Plant growth regulators, 15, 149

Polarity index, 68

Polymers, 55, 106

Potassium phosphate, 115

PR notice substantially similar, 237

Prohexadione calcium, 213

Pyrrolidone copolymers, 106

R

Rain washoff, 221

Ready-to-use, 106

Relative humidity, 15

Residue, 15, 149

droplet size, 221

RI⁴ adjuvant, 158**S**

Screening program, 149

Sedimentation, 32

Seed coating, 55

Silica, 32

Silicone adjuvants, 115

Smooth pigweed, 171

Soda ash, 115

Solar degradation, 221

Solubility, 115

Solvents, 140

Spherulite, 45

Spinosad, 184

Spray cloud interception, 171

Spray deposits, 221

Spray drift, 171, 213

Spreading, 68
 Strobilurin, 106
 Structured surfactant, 45
 Sulfite, 85
 Sulfonated lignin, 85
 Sulfonylurea, 115
 Surface tension, 32
 Surfactant, 32, 45, 95, 115, 125, 140, 149
 phytotoxicity, 77
 Suspensibility, 32, 85
 Suspension, 125
 Suspension concentrate, 45

T

Tomato, 15
 Translocation, 149
 Triangle, 55
 Triethanolamine, 115
 Trisiloxane alkoxylate, 68, 77

U

Ultrafiltration, 85
 Urea, 15

V

Vegetables, 77
 Velvetleaf, 171
 Venturi nozzle, 184

W

Water dispersible granules, 115
 Weed control, 125
 Wettable powder, 32, 85
 Wetting agent, 32
 Wind tunnel, 171