

Subject Index

A

Acetylenic diol, 3
 Adjuvant, 191
 Adsorption, polymer, 100
 Agglomeration, 371, 381, 393
 Agrimer, 57, 404
 Alachlor, 335
 Alfalfa, 57
 Alkylbenzene, 121
 Alkyl glycoside, 3
 Alkylnaphthalene, 121
 Ambush, 203
 Aquatic tests, 312
 Aromatic hydrocarbons, 114
 Aromatics, 121
 Asana, 203
 Atomization, 203
 Atomizer types, 256
 Atrazine, 57, 404

B

Bacillus thuringiensis, 227, 242, 256
 Bacteria, 45
 Basonyl, 215
 Bioherbicide, 45
 BLANDOL, 157
 Budworm
 spruce, 227
 tobacco, 300

C

Cabbage, 242
 Calcium dodecylbenzenesulfonate, 30
 Capture, 203
 Carboxylated nonylphenols, 371
 Casamino acids, 45
 Cellulose acetate butyrate, 300
 Chlorinated hydrocarbons, 144
 Cockroaches, 312
Colletotrichum truncatum, 45

Compatibility
 solvents and elastomers, 121
 solvents and polymers, 121
Controlled release
 bioassays, 312
 polymeric, 300, 335
 Cotton, 300
 Culigel, 312
Cyamopsis tetragonolobus, 76
 Cypermethrin, 30

D

Defoamer, 3
 Degradation, tracer dye, 215
 Degree of nonuniformity, 265
 Demulsification, 157
 Deposit pattern, 256
 Dicamba, 57
 Dicofol, 114
 Diluent, 203
 Dipel, 256
 Direct, 173
 Dose transfer model, 242
 Driftgard, 173
 Drift retardant chemicals, 173
 Droplet
 size, 173, 242, 256
 spread, 191
 Dry flowables, 381

E

Elasticity
 effect on pourability, 88
 Electrostatics, 203
 Encapsulation, 312, 335
 continuous production process, 293
 Eosine, 215
 Ethopmeen T/25, 14
 Ethyl cellulose, 300
 Evaporation rate, 191
 Extrusion, 371
 twin-screw, 293

F

Fatty acid methyl esters, 114
 Film, disintegrating, 351
 Fir, balsam, 227
 Foaming prevention, 3
 Fluorescence degradation, 215
 Fluorescent dyes, 215
 Flow rate, nozzle, 280
 Foliar application, 242
 Foliar extract, 227
 Foliar phytotoxicity, 14
 Force-feeding bioassay, 227
 Formula 358, 173
 Formulations test methods, 134
 Fourier transformation, 265
 Freeze-thaw stability, 100
 Fungi, 45

G

Gaeumannomyces graminis, 45
 Glyphosate, 3, 14
 Granules
 extruded, continuous, 293
 water dispersible, 351, 371,
 381, 393, 404
 Guar gum, 76

H

Henkel APG 325, 3
 Herbicide, 45, 88, 293, 312
 leaching, 57
 Hydrocarbons, 114, 121
 Hydroprene, 114
 Hydroxypropyl guar, 76

I

Intelimer, 335
 Interfacial tension, dynamic, 157

L

Laser scanning, 393
 Leaching, herbicide, 57
 Lignosulfonate, 404

M

Methyl esters, fatty acid, 114
 Methyl vinyl ether/maleic acid, 57
 Metolachlor, 57
 Microemulsion, 30, 114
 Mineral oil, 157
 Modeling
 dose transfer, 242
 mixture, 134
 Moth, diamondback, 242

N

Nalco-trol, 173
 Naphthalene sulfonates, 371
 Nozzles, 24
 evaluation, 280
 uniformity, 265
 wear, 280

O

Oil dilution, 203

P

Particle size analysis, 393
 Perfluoroalkoxy resin, 121
 Permethrin, 30
 Phase diagram, 30
 Phytotoxicity, 14
 Plate study, 351
Plutella xylostella, 242
 Polyarylphenolethoxylate, 30
 Polychloroprene, 121
 Polyethylene, 121
 glycol, 100
 Polymers, 404 (See also specific types)
 encapsulation, 300
 superabsorbent, 312
 surfactant, 100
 water-soluble, 76
 Poly(methyl methacrylate), 300
 Polysaccharides, 45, 76
 Polyvinyl alcohol, 300
 Polyvinyl chloride, 121
 Polyvinylpyrrolidone, 404
 Pourability, 88
 Process control charts, 280

Protein assay, 227
Pseudomonas fluorescens, 45
 Pyrethroids, 30

R

Rain washing effects, 14, 227
 Release, controlled, 300, 312,
 335

Rheology, 88
 Rheometrics RFS OO, 88
 Rubber

ethylene propylene, 121
 nitrile butyl, 121
 Ryegrass, 57

S

Sesbania exaltata, 45

Settling, 134
 Silwet L-77, 14
 Solar radiation, 215

Solvents
 effect on elastomers, 121
 effect on polymers, 121
 hydrocarbon, 114, 121

Spectral analysis, spray, 256, 265
 Spray and spray applications

drift control, 157, 173
 deposition, 215
 drying, 157, 351, 371
 field application, 3
 nozzles, 24, 265, 280
 pattern, 173, 256, 265
 spectral analysis, 256, 265

Spread potential, 191
 Spruce budworm, 227

Stability
 emulsion, 157
 freeze-thaw, 100

Starch, 45, 293

Statistical models, 134

Storage, biocontrol agents, 45

Sulfonyl urea, 335

Sulprofos, 300

Surface tension, 100
 dynamic, 191
 equilibrium, 191

Surfactants
 alkyl glycoside, 3
 anionic, 157, 371
 effect on droplet size, 157
 effect on interfacial tension,
 157
 nonionic, 30, 157
 polymeric, 100
 Surfynol 420, 3
 Suspension concentrates, 100

T

Target, 173
 Terra prime oil, 203
 Thickener, 76
 Tinopal, 215
 Total protein assay, 227
 Tracer dyes, 227
 Trifluralin, 114
 Twin-screw extrusion, 293

V

VEMA, 57
 Vinylidene fluoride, 121
 Vinyl pyrrolidone, 57, 404
 Viscoelasticity, 88
 Viscosity modifiers, 76
 Vision, 14

W

Water dispersible granules, 335,
 351, 371, 381, 393, 404

Weeds, 45

Wettable formulations
 granules, 335, 351, 371, 381,
 393, 404
 powder, 134

X

Xanthan gum, 300