Subject Index

A

Abscission, 2
Absorption percutaneous, 62
Acetate derivatives, 62
Adjuvants
Buffer Xtra, 2
chemistry, 28
drift management, 133
formulation, 28
Kinetic, 2
uptake enhancing, 79
Adsorption, 93
Aircraft spray applicators, 14
attapulgite, 106
ASTM Subcommittee E35.22 on
Pesticide Application and
Formulation Systems, 133

B

Binding, heat activated, 42
Butene, 93
Butylated polyvinylpyrrolidone, 93

C

Chlorothalonil, 93
Chlorpyrifos, 62
Citrus, 2
Cockroaches, 62
Copolymer, graft, 93
Corn seed phytotoxicity, 116
Cornstarch, 54
Cotton seed phytotoxicity, 116
Cuticular mobility, 79

D

Deposit formation, 28
Deposition, 133
Dielectric heating, 42
Diffusion cell, 62
Diffusion coefficient, 79
Diffusion, skin, 62
Diffusivity, molar volume
dependence, 79
Digital image analysis, 14
Drift control agent, 133
Droplet size, 2, 133
Dry flowable granules, 42, 106

E

Encapsulation, 54, 62
Ethylene production in
oranges, 2

F

Fluorescent dye, 14
Foliar uptake, 79
Fungicide, 14
Fungi growth inhibition, 62

G

Gas chromatography, 2
Gelatinization, 54, 106
Germination rates, treated
seed, 116
Granules, 42, 54
water-dispersible, 106
Ground sprayers, 14

H

Heat-activated binding
granulation processes, 42
Herbicides, 54, 79
Hydrocarbon, 62, 116
Hydrophilic complexation, 93

I

Impaction, 28

L

Leaf structure, 28
Ligninsulfonate, 93
M

Melt granulation, 42
Metasulfuron-methyl, 2
Microwave processing, 42

O

Oxygenated solvents, 116

P

Palygorskite, 106
Partition coefficient, 79
Permeability, 79
Phytotoxicity, solvents to seeds, 116
Polymer modified starch, 54
Polymers, 133
Polyvinylpyrrolidone, 93
Potato plants, 14
Propiconazole, 62

R

Radio frequency heating, 42
Rats, 62
Release rate, fluid effects on, 62
Rheology modifiers, with attapulgite, 106

S

Seed safety, 116
Seed treatment, 116
Solvents, 62, 116
Soybean seed phytotoxicity, 116
Spray deposition, 14
Spray droplet, 2, 14, 133
Spray retention, 28
Stability
improvements, starch containing formulations, 54
improvements against degradation, 62
Starch, 54
Stokes-Einstein relation, 79
Surface tension, 93
measurements, 28

T

Thixotropic viscosity, 106

V

Vinylpyrrolidone copolymers, 54
Vinylpyrrolidone dimethylamino-ethylmethacrylate copolymers, 54
Viscosity, 28

W

Water-based flowable formulations, 116
Water dispersibility, 54
Wheat seed phytotoxicity, 116

X

Xanthan gum, 106