Subject Index

A

Active ingredient amount, 59
Additives, 27
Adjuvants, 68, 81, 95, 131
   nozzle-adjuvant system, 172
   spreader-sticker-wetter, 117
Adjuvants and Inerts Committee, 16
Aerosol, dust/liquid, 105
Alcohol ethoxylates, 117
Alkylphenol ethoxylates, 117
Ammonium nitrate, 131
Antifoams, 152
Assay variation, 59
ASTM Committee E35 on Pesticides, 68
ASTM standards
   adjuvants, 68

B

Bayer Crop Protection business group, 105
Biodegradation, 162
Block copolymers, 117
Boom height, 44
Burning behavior, 105

C

Carboxylic acid salts, 95
CAS numbers, 16
Chemical descriptors, 16
Chemical families, 16
Chemical Producers and Distributors Association (CPDA), 16
Chlorpyrifos, 117
Coating, 162
Cockroaches, German, 162
Cotton defoliation product, 172
Crabgrass, 131
Crop oil emulsifiers, 117
Cuticular penetration, 81
Cyanazine, 81

D

Decomposition, 105
Defoliation product, cotton, 172
Delivery, targeted, 162
Deposition rates, 44
Dispersant molecular weight, 141
Dispersions, 27
Dodecyl alcohol ethoxylates, 117
Drift, 44, 172
   control, 27
Droplet formation, spray, 27
Droplet pattern, spray, 27
Droplet size, 27, 44
Dust, 105

E

Efficacy
   glyphosate weed, 95
   postemergence herbicide, 131
Emulsifiable concentrate, 117
Emulsions, 27
   emulsifiable concentrate, 117
   invert, 172
   microemulsions, 117
Encapsulation, 162
Endothall, 172
Ethephon, 172
Ethylene oxide, propylene oxide, copolymers, 95
Explosion, 105
Extrusion, 141

F

Fatty acid coatings, 162
Film rupture, 152
Flammability, 105
Fluid properties, effect on spray quality, 27
Foam, wetting agents, 152
Foliar uptake, 81
Food Quality Protection Act of 1996 (FQPA), 3
Fossamine, 172
G

German Guideline Test Methods to Determine the Safety Characteristics of Dusts (VDI 2263 Part I), 105
Glufosinate-ammonium, 172
Glyphosate-isopropylamine, 172
Glyphosate weed efficacy, 95
Granules, 59
water-dispersible, 141

H

Homogeneity, mixture, 59
Humectants, 81
Hydrolysis, 162
Hydrophile-lipophile balance (HLB), 81, 117, 131

I

Ignition, 105
Image analysis technique, 68
Imazapyr, 172
Impact sensitivity, 105
Inerts, 3, 16
Insect growth regulators, 162
Invert emulsion technology, 172

L

Linear alcohol ethoxylates, 117
Liquid properties, 27

M

Matricap, 162
Mixing and milling facility suitability, 105
Mixture homogeneity, 59
Molecular weight, 141
Mosquito control, 162

N

NAA, 81
Nicosulfuron, 131

Nozzles
AccuFlo, 172
flat fan, 27
nozzle-adjuvant system, 172
size, 44
Office of Pesticide Programs, 16
Organosilicone, 95, 152

P

Parafilm, 68
Paste rheology, 141
Penetration, cuticular, 81
Perfluoroalkylphosphinic, 152
acids, 152
Phosphorodithioate, 172
Polymer coatings, 162
Polymer solutions, 27
Porosity, 141
Propylene oxide/ethylene oxide copolymers, 95

R

Registration, pesticides, 3
Residues, 3
Risk aggregate, pesticide exposure, 3

S

Safety data, formulations, 105
Salts
carboxylic acid, 95
carrier, 131
Sampling, 59
Shear tempearture, 152
Sodium bicarbonate, 131
Solubility, 162
Solute mobility, 81
Sorbitan derivatives, 117
Specific gravity, 162
Spray drift, 44, 172
control, 27
Spray Drift Task Force, 44
Spray droplet, 68
size, 27
Spray pattern, 27
Spray pH, 131
Spray surface tension, 152
Spray volume, 131, 172
Sprayers, ground rig, 44
Spreader, 68
Spread radius, 68
Spread test method development, 68
Stability, 95
antifoams, 152
Standards (See ASTM standards)
Surface/colloid chemistry, 117
Surfactants, 27, 81, 131
dissolution, 141
nonionic, 117
organosilicone, 95

T
Targeting, pesticide, 162
Thiadiazuron, 172
Tolerances, safety, pesticide, 3
Triclopyr, 172

U
U.S. Environmental Protection Agency, 3, 16

W
Water-dispersible granules, 141
Water-soluble antifoam, 152
Weed efficacy, glyphosate, 95
Wetting, 152
performance, 117
Wind speed effects, 44