

INDEX

- annual bluegrass
 - in athletic fields 168, 173, 174
 - diseases 56-60, 62-64, 66, 73, 80, 99
 - management 35-37, 49-52, 55, 58, 59, 88, 158, 173, 174
- anthracnose 66, 73, 161
- athletic field
 - construction and establishment 165, 167, 169, 171, 172
 - maintenance 152, 165-167
- bacterial wilt 56, 57, 84
- bentgrass
 - diseases 56, 57, 65, 66, 74, 80, 98, 101, 157
 - fungicide effects on 158
 - management 1, 2, 6-8, 35-37, 80, 82, 92, 173
 - water use rate 127, 128, 134, 135
- bluegrass billbug 139
- bromegrass 41
- brown patch 88, 92, 98, 101
- chinch bugs 137, 138
- clippings 15-17, 19, 20, 22, 24, 35-37, 39
- clothing for pesticide safety 142-144
- compaction
 - effects on turf 29-34, 79, 88, 129, 130, 149-152, 165, 167-169, 172
 - effects on trees 95, 96
- cultivation
 - around trees 96
 - benefits 29, 129, 132, 169
 - effects on preemergence herbicides 49, 51
 - equipment 29-34, 150, 151, 149-152
 - timing 151-152
- diseases
 - control 57, 58-64, 75-83, 157-164
 - effects of environment 75-83
 - effects of management practices 42, 50, 58-64, 97-103, 157-164
- dollarspot 58-60, 62-64, 66, 74, 84, 87, 89-91, 98, 100, 157, 161, 162
- drainage 79, 130, 165-167, 169, 171
- drought 131-133
- endophyte 90
- fertilizer programs
 - turf 1-8, 14, 15, 58-64, 66, 79, 87, 112, 168
 - trees 95, 96
- fertilizers 1-8, 14, 15-28, 58-64, 168
- fine fescue 39, 80, 82, 90, 91, 100, 128, 134, 135, 157, 173, 178
- fumigation 56, 57

fungicides

disease control 65-74, 99-103, 142, 157-164
effects on plant growth 97, 98, 101, 102, 159
programming 157-164
resistance 160, 161

Fusarium blight syndrome 76, 77, 82, 87, 89, 102, 157, 160, 171

Gaeumannomyces 77

greens management 1, 2, 6-8, 9-11, 29-34
growing degree days 38-41, 43, 46, 50, 55
grubs 117-123, 130, 136, 137

heat stress 126, 133

herbicides

broadleaf 4, 50, 53, 54
enhancing disease 97, 98, 158, 160
crabgrass 49, 51, 52, 79, 115
use 40, 112, 130, 145, 168

infiltration 29-34

insecticides 99, 117-123, 136-141, 142

irrigation

effects on diseases 58-64, 75, 78, 79, 82
effects on insecticides 118, 119, 137-140
effects on pH 3, 13
effects on water use rates 127, 128, 130, 131, 133
grass response 1, 2, 4, 5, 8, 35-37, 58-64, 91, 132, 168, 174
trees 95, 96

Kentucky bluegrass

athletic fields 166, 167, 171-174
cultivars 80, 82, 85-88
diseases 50, 57, 58-62, 65, 66, 69-72, 75, 83, 97, 98, 101, 102, 158, 160
fertilization 1, 2, 4, 5, 15-27, 58, 59, 66
fungicide effects 158, 160
irrigation 1, 4, 5, 75-83
PGR use 39, 50, 109, 110, 112, 113
water use rate 128, 134, 135

lawn care industry

legislation affecting 145

leafspot - see melting out

lime 3, 13, 119, 129

melting out 58-60, 65, 66, 69-72, 76, 84-88, 90-92, 98, 100, 108, 109, 159,
160, 162, 171, 172

mowing 35-37, 38-41, 105, 106, 127, 128, 131, 166, 167, 168

necrotic ring spot 75, 77, 80, 81, 87, 98, 157, 162

nitrogen fertilization

annual bluegrass 35-37
athletic fields 168, 169, 170, 174
bentgrass 1, 2, 6-8, 35-37
effects on disease 58-64, 66, 79

nitrogen fertilization (cont.)
 effects on water use rate 127, 128, 131, 133
 Kentucky bluegrass 1, 4, 5, 58-64, 66
 trees 96

orchardgrass 41
 overseeding 35, 57, 152, 170

perennial ryegrass 80, 82, 88-90, 100, 128, 134, 135, 157, 159, 166, 167,
 171, 172, 174

pesticide
 drift with wind 153-156
 public awareness 145-148, 168, 175, 176
 safety 142-144, 145-148
 toxicity 143, 144

petrochemical sensitivity 145-148

pH 3, 13, 79, 102, 129, 158

phosphorus fertilization 14, 79, 131, 168

plant growth regulators
 color enhancement 35, 40, 41, 113
 effects on disease 42, 50, 112
 effects on germination 36, 37
 effects on growth 38-48, 105, 106, 111, 112
 effects on roadside turfs 38-48
 effects on seedheads 38-48, 50, 55, 110-114
 effects on water use rate 129
 effects on weeds 42
 phytotoxicity 105, 106, 112, 114, 115
 timing 35-37, 38-48, 55, 106, 114
 weather effects 38-41, 43, 44, 48, 50, 55, 114

phytotoxicity
 fungicides 158, 159
 plant growth regulators 35, 38, 40, 41
 wetting agents 2, 3

pink patch 84, 158

potassium fertilization 4, 5, 14, 79, 131, 133, 168-170

powdery mildew 88, 90, 98, 162

pythium 89, 98, 100, 157, 160-162

red thread 84, 89, 90, 91, 100, 158, 160-162, 172

renovation 152, 171, 173, 174

rooting 29, 75-78, 79, 81, 97, 98, 101, 102, 113, 129-131, 132, 149-152, 159,
 161, 162, 168, 173

rust 87, 89, 100, 160, 162, 171, 172

salinity 130, 131

seedheads
 density 40, 41, 45, 47
 plant growth regulator effects 39-42, 50, 106, 108-110, 112

snowmolds 65, 67, 68, 100, 101, 158, 161, 172

sod webworms 140

soil modification 129, 165, 167-169 165

soil moisture
 effects on compaction 29-34, 149-152
 effects on cultivation 29-42, 149-152, 168
soil testing 3, 13, 14, 131, 159
stripe smut 86, 98, 171
summer patch 75, 77-81, 87, 98, 157, 162
spray application of pesticides
 drift 115, 153-156
 droplet size 153, 154-156
 equipment 115, 116, 153-156
 fog effects 154
 wind effects 154
subcontracting turf maintenance 178-180
sulfur 3, 13, 129

tall fescue 40, 41, 80, 82, 91, 92, 110, 113, 134, 135, 167, 171-173
thatch 1, 87-90, 101, 102, 131, 138, 139, 149-151, 173
topdressing 31
traffic effects 149-152, 165-170, 171-174, 178
transpiration 124-129
tree
 fertilization 95, 96
 injury to 95
 management 95, 96, 175-177

water
 conservation 124-135
 quality 131
 use rates 126-135
weed control
 broadleaf 38, 40, 42, 49, 50, 53, 54, 168
 grassy 49, 51, 52, 130
wetting agents 2, 3, 9, 10, 11, 58, 130
wilting 1, 4, 5, 56, 126
wind effects on spray drift 154

yellow tuft 161