

Agronomy Reference Guide

February 2021

Plant & Seed Identification

001 *Absinth Wormwood	024 Eastern Black Nightshade	047 Millet – Proso	070 Sorghum
002 Alfalfa	025 *Erect Knotweed	048 Musk Thistle	071 Soybean
003 Barley - six row	026 ****Field Bean	049 ***Navy Bean	072 Spotted Knapweed
004 **Barley - two row	027 Field Bindweed	050 Nightflowering Catchfly	073 Sudangrass
005 Barnyardgrass	028 Field Pea	051 Oats	074 ***Sugarbeet
006 *Biennial Wormwood	029 Field Pennycress	052 (No ID) Palmer Amaranth	075 ***Sunflower - Non-oil
007 ***Black Turtle Bean	030 Field Sandbur	053 Perennial Sowthistle	076 ***Sunflower - Oil
008 ***Buckwheat	031 Flax	054 ***Pinto Bean	077 Sweetclover
009 Canada Thistle	032 *Flixweed	055 Prickly Lettuce	078 ***Triticale
010 ***Canola	033 *Foxtail Barley	056 *Prostrate Knotweed	079 *Waterhemp
011 Common Cocklebur	034 Giant Ragweed	057 *Prostrate Pigweed	080 Wheat - Durum
012 Common Lambsquarters	035 Green Foxtail	058 *Purple Loosestrife	081 Wheat - HRSW
013 Common Mallow	036 Hedge Bindweed	059 Quackgrass	082 **Wheatgrass, Crested
014 Common Milkweed	037 Hoary Cress	060 Redroot Pigweed	083 **Wheatgrass Slender
015 Common Ragweed	038 (No ID) Houndstongue	061 Reed Canarygrass	084 Wild Buckwheat
016 ***Corn	039 **Kentucky Bluegrass	062 Russian Knapweed	085 Wild Mustard
017 ***Crambe	040 Kochia	063 Russian Thistle	086 Wild Oats
018 Curly Dock	041 Lanceleaf Sage	064 **Russian Wild Rye	087 Wild Proso Millet
019 *Dalmation Toadflax	042 Leafy Spurge	065 Rye	088 Wild Sunflower
020 *Dandelion	043 ***Lentils	066 Safflower	089 Yellow Foxtail
021 *Diffuse Knapweed	044 *Marestail	067 *Saltcedar	090 ***Yellow Mustard
022 Dodder	045 Marshelder	068 Smartweed	091 *Yellow Starthistle
023 *Downy Brome	046 Millet - Foxtail	069 Smooth Brome	092 *Yellow Toadflax

*Plant identification only

**Plant & Seed identification only

***Seed identification & pan classes only

****In Plant Identification black turtle bean, navy bean & pinto bean are "field beans". The term "field beans" is not used in seed ID.

Equipment Machinery ID

01 Air Compressor/Hose	16 Disk--Tandem	31 Hearing protection	46 Row crop cultivator
02 Air Seeder (tool & air cart together)	17 Disk--Chisel	32 Hitch pin	47 Row crop planter (air/gravity)
03 Anemometer	18 Fertilizer (dry) density scale	33 Hydraulic cylinder/ Hose	48 Shovel-field
04 Anhydrous tank (w/wo applicator)	19 Field cultivator/chisel plow	34 In-Line Ripper	49 Skid steer
05 Backpack Sprayer	20 Gauge Wheel	35 Irrigation pivot	50 Soil Probe
06 Bale Wagon	21 GPS Receiver	36 Liquid Manure tank/applicator	51 Soil Sample Bag
07 Baler (square or round)	22 Grain bin/leg	37	52 Soil Thermometer
08 Fertilizer broadcast spreader (spinner or air)	23 Grain drill (press)	38 Dry Manure Spreader	53 Sprayer
09 Chemigation Unit for irrigation	24 Grain dryer (not bin)	39 Moldboard plow	54 Sprayer nozzle/nozzle body
10 Combine (displayed w/wo harvesting head)	25 Harvester-forage (w/wo head)	40 PPE (all equipment)	55 Swather
11 Combine--auger platform head w/ reel	26 Harvester-potato	41 Press Wheel	56 Sweep Net
12 Combine--belt pickup head	27 Harvester-sugar beets	42 Pressure Gauge	57 Tensiometer
13 Combine--corn head	28 Hand hoe	43 Pressure Regulator	58
14 Combine--draper head	29 Hay mower/conditioner	44 PTO Shaft	59 Tractor-wheel
15 Conveyor/elevator/auger	30 Hay Rake	45 Rotary Hoe	60 Tractor-tracked type

Insect Identification

10 Alfalfa Weevil	20 European Corn Borer Larva	30 Salt Marsh Caterpillar	<u>Life Cycle</u>
11 Aphids	21 Flea Beetle	31 Scale	C Complete
12 Armyworm Larva	22 Grain Weevil	32 Spider Mite	I Incomplete
13 Bean Leaf Beetle	23 Grasshopper	33 Stinkbug	N None
14 Blister Beetle	24 Green Lacewing	34 Tobacco/Tomato Hornworm Larva	
15 Colorado Potato Beetle	25 Honeybee	35 Western Corn Rootworm Beetle	<u>Mouth Parts</u>
16 Corn Earworm Larva	26 Japanese Beetle	36 Western Flower Thrip	C Chewing
17 Corn Rootworm Larva	27 Lady Beetle Larva	37 Wheat Stem Sawfly	CL Chewing-lapping
18 Cricket	28 Leafhopper	38 White Grub	RS Rasping-sucking
19 Cutworm Larva	29 Lygus	39 Whitefly	PS Piercing-sucking
		40 Wireworm	SP Sponging
			SI Siphoning

Economic Impact

N	None or predatory
F	Fruit/Flower destruction
V	Vegetative Part destruction
R	Removal of plant fluids