

# What are the goals of CRP?

- Voluntary program designed to protect natural resources
- Plant long-term, resource-conserving cover to improve the
  - quality of water
  - control soil erosion
  - enhance wildlife habitat (1991)
- Provides participants with <u>rental payments</u> and <u>cost-share</u>
- Eligible practices include:
  - riparian buffers, wetland buffers, wildlife habitat buffers, filter strips, wetland restoration, grass waterways, shelterbelts, living snow fences, contour grass strips, and shallow water areas for wildlife.

### **CRP Management Restrictions**

establishment years

- 1. Warm season grasses should not be seeded in dense stands of quackgrass
- 2. Mow to control weed competition during the seeding year
- Once desirable cover is established, weed management becomes more difficult partially due to the impacts on nesting birds.





# CRP Management Restrictions after establishment

- 1. required to control invasive and weedy plant species *before they produce viable seed*
- 2. spot clipping or spot spraying is recommended
  - <u>outside of the nesting period</u> does not require prior approval by FSA.
- 3. without prior approval from the local FSA County Committee do not
  - 1. Spot clip or spray during the primary nesting season
  - 2. Disrupt cover on a reoccurring schedule or to a significant acreage of CRP cover
  - 3. Hay or graze the field (only allowed once every 3 years)



# Why are some CRP fields so weedy?

1. Regulations setup for managing weeds prior to or during establishment

- 2. Expect continued management while enrolled
- 3. Diversity of plants present makes management difficult
- 4. No management without approval during primary nesting season (May 15<sup>th</sup> Aug 1<sup>st</sup>)
  - Most weed species flower during this period
  - Spot mowing/herbicide is expensive

### **Invasive plants in CRP**

proposed new guidelines for management

### Four categories

- 1. No tolerance, must attempt to eliminate
- 2. Cannot go to seed, keep <10% coverage, no patch >1 A, individual species or in combination
- 3. Species of concern, keep <30% coverage, no patch >1 A, individual species or in combination (should not be an issue in properly established fields)
- 4. Woody species, keep <5% coverage, <5 ft tall, no patch >1 A (does not include leadplant & New Jersey tea)

## **Listed Plant Species for CRP**

#### **Category 1**

Chinese lespedeza

Crown vetch

Giant hogweed

Hill mustard

Japanese knotweed

Multiflora rose

Poison hemlock

Teasel:

cutleaf & common

Wild chervil

#### **Category 2**

Common tansy

Field bindweed

Garlic mustard

Hawkweeds

Japanese hedge parsley

Knapweeds

Purple loosestrife

Reed canarygrass

Reed grass, common

Spurge: leafy & cypress

Sweet clover: white & yellow

Thistle: Canada & marsh

Thistle: musk & plumeless

Wild parsnip

### **Category 3**

Burdock

Canada goldenrod

Curly dock

Dames rocket

Giant ragweed

Queen Anne's Lace

## Keys to successful management of weeds in CRP fields

- Identify the weed(s) species: WEED ID TOOL
- How and when the plant reproduces and spreads: WEEDOMETER
- Where the source of the infestation 3. is: SCOUTING
- Select a control method that fits your situation: FACTSHEETS
- Monitor sites: **SCOUTING**

## New Weed ID TOOL

- First select weed type:
  - Broadleaf (forb)
  - grass
  - woody



# What information can you enter?

- Where was it found?
- General characteristics
- Leaf characteristics
- Stem characteristics
- Floral characteristics

Where was the weed found?

Agriculture field: no selection

natural and grazed areas (non- no selection

crop):

Urban: no selection

General characteristics

Habit: no selection

Duration: no selection

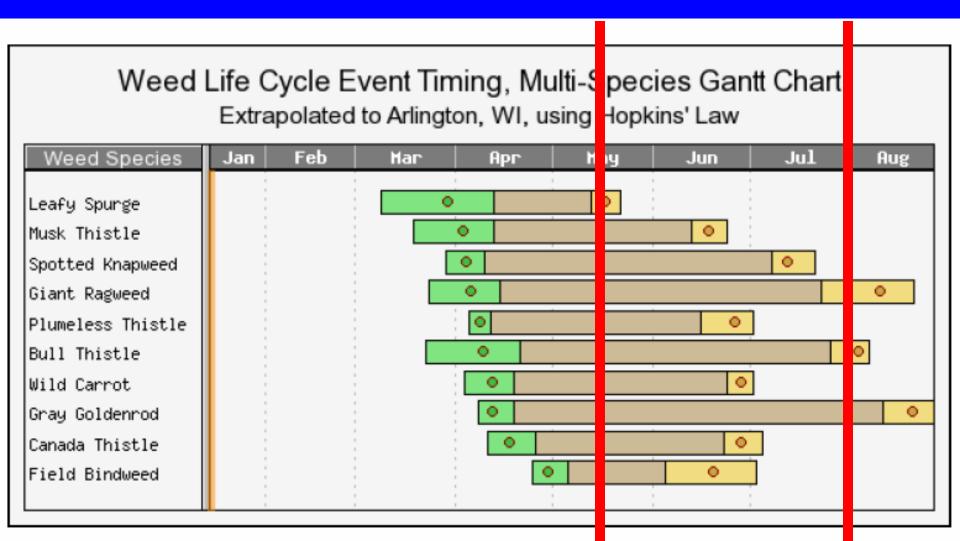


# when weeds reproduce and spread: WEEDOMETER

- CRITICAL INFORMATION TO DEVELOP MANAGEMENT PLAN
- DOES IT FLOWER DURING RESTRICTED TIMING?
- <u>http://weedometer.net</u>
  - Plots time of emergence & flowering
  - Estimates for difference locations

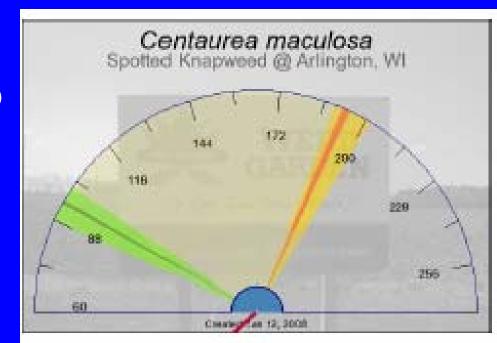
### Weedometer

### **NESTING PERIOD=May 15 – Aug 1**



# Weedometer Spotted knapweed example

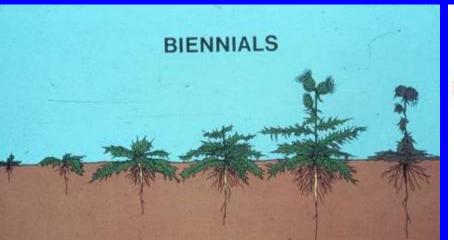
- Germination/emergence varies by location
  - Arlington=Apr 4<sup>th</sup> (3/29-4/10)
  - Stevens point =  $Mar 30^{th} (3/24-4/5)$
  - Lacrosse = Apr  $8^{th}$  (4/1-4/13)
- When weeds flower?
  - Arlington= Jul 3<sup>rd</sup> (7/7-7/17)
  - Stevens point = Jul  $14^{th}$  (7/5-7/21)
  - Lacrosse = Jul  $3^{rd}$  (7/1-7/14)
- http://weedometer.net/

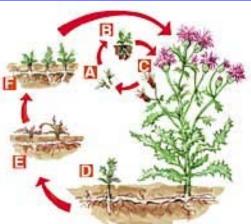


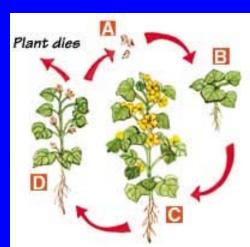
NESTING PERIOD = 5/15-8/1

# Appropriate management method

- INFORMATION AVAILABLE THIS WINTER
  - 5 Factsheets for landowners overview management options for weeds by life-history
  - Detailed herbicide information and efficacy factsheet
  - Look for release on Wisconsin Crop Manager







# Weed management opportunities for CRP fields

preparation and planting

- Best time for weed management
- Learn what weed species are present/nearby BEFORE planting CRP field
  - Some weed species are nearly impossible to manage after desirable species are established



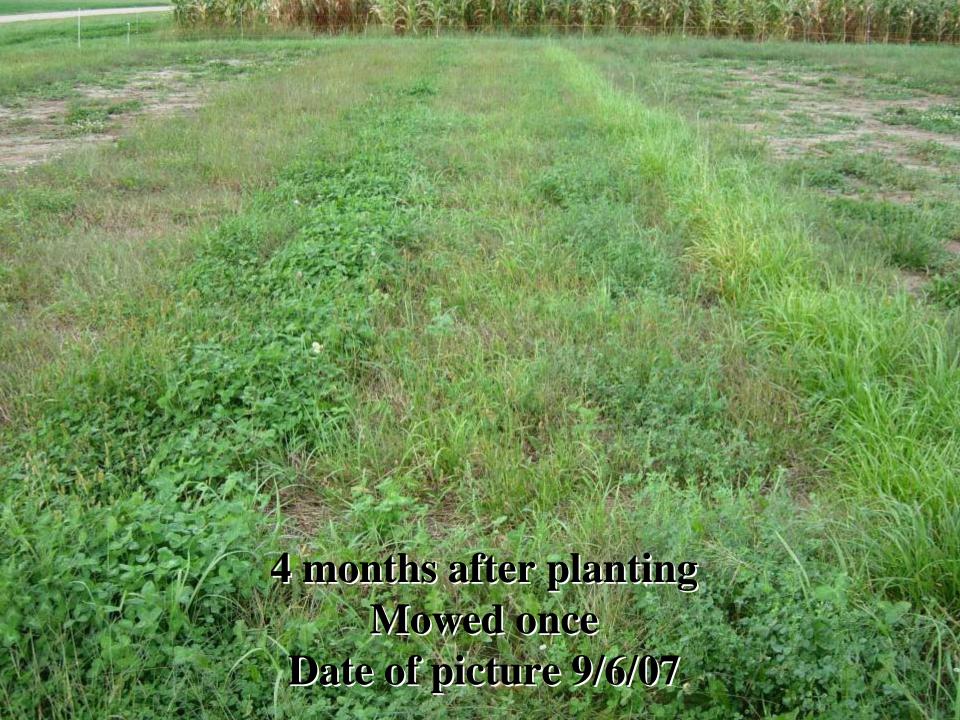
# Options if have difficult to control weeds present

- Typically perennial weeds with large stores of underground reserves
  - Difficult to eradicate (53% perennials)
- Manage before plant desirable species
  - Keep field fallow and manage weeds intensively for 1-2 years
  - Plant, grow and harvest a crop on field for 1-2 years

# Weed management in establishment phase

- Important timing, but difficult because desirables mixed in with weed species
- Wildlife restriction period <u>not in effect for</u> <u>during establishment</u>
  - Intensive scouting and management
  - Some weed species (annuals) may not impact establishment as much as others





# Timeline of when appropriate methods should be used

Nonselective weed management methods

Selective weed management methods (SPOT TRTS ONLY)

### PLANTING MIXTURE OF GRASSES AND FORBS

		MOW*	
<b>SPOT</b>	SPOT	SPOT	SPOT
Site prep	planting	Establishment	End of contract

Time \_\_\_\_\_

<sup>\*</sup> During establishment mowing can be conducted during nesting season

# Timeline of when appropriate methods should be used

Nonselective weed management methods



Selective weed management methods (SPOT TRTS ONLY)

### PLANTING MIXTURE OF GRASSES AND FORBS

		MOM *	MOW/DISK/ BURN/HERB	
<b>SPOT</b>	SPOT	SPOT	SPOT	SPOT
Site	planting	Establishment	Mid-management	End of contract
prep			(yr 6-7)	(yr 7-10)

Time —

<sup>\*</sup> During establishment, mowing can be conducted during nesting season

### Mid-Management Practices for CRP

- Many CRP fields have become dominated by grass species
- Mid-Management Practices are designed to encourage a diverse broadleaf/legume community
- conducted in the 6th year of contract or first year of renewed contracts
- Management methods: Mowing, disking, herbicide, burning, interseeding
  - Do not conduct during primary nesting season (5/15-8/1)

## Summary

- Weeds can establish and be problematic in CRP fields
- The optimal time for management is prior to establishing desirable cover
- A wide range of management options are available, choose the method(s) that fit your field and weed problem
- CONSULT WITH FSA!
- Mid management practices will be another critical time for management

