IOWA WILDLIFE WORKING LANDS HABITAT EVALUATION

I. This habitat evaluation will be used to decide if the quality criterion for wildlife is being met under either the current or planned future management for various land uses. It is used to document if wildlife component of an RMS plan is being met or to document if an area meets the Upland Wildlife Habitat Management Standard (645).

It is to be completed by NRCS staff or by partner agencies staff as part of developing a farm plan. It is not intended for landowner self-certification for any USDA programs.

- II. This evaluation system applies to the following land uses:
- A. Cropland
- B. Grasslands (Pasture, Permanent or Rotational Hayland, and Idle Grasslands)
- C. Woodland (Managed Timber Stands and Wildlife/Unmanaged Woodland)
- D. Riverine Use SVAP to measure impacts to streams on producer's property
- III. Deciding if quality criteria is met:

When wildlife <u>is not a primary concern</u> for planning, then the minimum Habitat Suitability Index (HSI) score is 0.50 to meet the quality criterion for wildlife for any land use(s) on a farm or fields within a tract.

Where wildlife <u>is a primary concern</u> for a farm or field(s) within a tract, then the minimum HSI is a 0.75.

See appendix for some general discussion of Wildlife needs that this appraisal is designed to address.

CROPLAND WILDLIFE EVALUATION:

PRODUCER:	DATE:			
FARM #:	TRACT #:	Field #(s):		
•	gh G that reflects <u>dominant</u> condition ed – <u>not</u> average of operation)		<u>Existing</u>	<u>Planned</u>
	arvested grain that is \geq 2.5% of field ithin or adjacent to field(s)	1	15	15
b. Continuous no-till for al	Il grain crops (no stalk chopping or residue baili	ng) 1	12	12
	k chopping or residue bailing) for all grain croharvested grain that is $\geq 1\%$ of field acropacent to field(s)	es are	10	10
d. Continuous No Till for a	all grain crops (with stalk chopping or residue ba	ailing)	7	7
e. Over winter crop residu for all grain crops in the	ues provide > 50% ground cover rotation		5	5
f. Over winter crop residue for all grain crops in the	es provide > 35% ground cover e rotation		2	2
g. None of the above			0	0
2. Crop Rotation: (Choose the one that red of fields being evaluated	flects <u>dominant</u> condition d)			
	egume or meadow rotation (Either whole field ng - Meadow not harvested after August 1)		10	10
	egume or meadow rotation (Either whole field ng - Meadow harvested after July 1)		6	6
	otation <u>OR</u> row crop-small grain-legume <u>OR</u> sted before July 1 <u>OR</u> continuous row crop		4	4
d. Continuous corn			1	1
e. Continuous row crop			0	0

3. <u>Proximity to Other Cover Types</u>: (Choose ONE, <u>either Herbaceous or Woody category which best reflects the dominant condition of field(s) being evaluated. All distances are from field edges.)</u>

3A Herbaceous Cover:	Existing	<u>Planned</u>
 a. Herbaceous buffer (≥ 30 feet wide) or adjacent cover (> 10 acres) not mown from May 15 to August 1 around > 50% of field edges 	20	20
 b. Herbaceous buffers (≥ 30 feet wide) or adjacent cover (> 10 ac.) not mown from May 15 to August 1 around > 35% of field edges 	15	15
c. More than 35% of field has adjacent herbaceous cover(> 10 acres) not mown prior to July 15	12	12
 d. Field has adjacent herbaceous cover (> 5 acres) not mown from May 15 to August 1 <u>OR</u> is within 660 feet of herbaceous cover (> 10 acres) not mown prior to July 15 	10	10
e. Field is within 660 feet of herbaceous cover (> 5 acres) or has buffer (> 30 feet wide) around ≥ 20% of field not mown from May 15 to August 1	8	8
f. Field is within 1320 feet of herbaceous cover (> 10 acres) not mown prior to July 15 OR has buffer (> 30 feet wide) around ≥ 20% of field not mown prior to July 1	6	6
g. Field is within 1320 feet of herbaceous cover (> 5 acres) not mown prior to July 1	4	4
h. Field has > 1 acres of un-mown herbaceous cover within the field or > 25% of the field is within 660 feet of this type of cover (>2 ac)	2	2
i. None of the above	0	0
3B Woody Cover:		
a. More than 50% of field edges abuts <u>ungrazed</u> woodland (> 5 acres. woodland)	20	20
b. More than 50% of field is within 660 feet of <u>ungrazed</u> woodland (> 5 ac. woodland)	15	15
c. More than 25% of field edges abut <u>ungrazed</u> woodland (> 5 acres woodland)	12	12
d. Field is within 1320 feet of <u>ungrazed</u> woodland (> 5 acres woodland)	10	10
e. Field is within 660 feet of woodland (> 10 acres woodland)	8	8
f. Field is within 2640 feet of <u>ungrazed</u> woodland (> 5 acres woodland)	6	6
g. Field is within 2640 feet of woodland (> 5 acres woodland)	4	4
h. Field has > 1 acres of un-grazed woody cover within the field or > 25% of the field is within 660 feet of this type of cover (>2 ac)	2	2
i. None of the above	0	0

	<u>Existing</u>	<u>Planned</u>
Total Points from 1- 3A <u>or</u> 1- 3B		
HABITAT SUITABILITY INDEX:		
To derive HSI, divide total points by 45		
Interim HSI:	-	
Bonus Points: Add 0.1 to HSI value if any of the following apply	to the evaluated	fields (max 0.1):
*Integrated Pest management		
*Buffers or adjacent herbaceous cover is composed of > 5 native forbs/legumes	e grasses and > 1	0 native
*Woody Cover has ≥30% of woodland composed of hard mast to and has ≤10% of area infested with invasive woody species such		
Final HSI	-	
If wildlife is secondary concern, then the Minimum Wildlife H	ISI for Cropland	' HSI <u>></u> 0.5
Meets Planning Criterion?	No 🗌	No 🗌
	Yes 🗌	Yes 🗌

GRASSLAND HABITAT - Permanent Pastureland

PRODUCER:	DATE	Ē:	
FARM #:	TRACT #:	Field #(s):	
evaluated. NOTE: Species	nd: lominant_condition of fields be must be a substantial compon cattered plants to be counted	nent of whole	<u>Planned</u>
a. Mixed native grasses and	legumes (> 5 species total)	10	10
	ed grasses with legumes <u>OR</u> mix gumes (> 5 species total for eith		8
	legumes (> 3 species total) OR with legumes (> 3 species)	5	5
d. Mixed introduced grasses	w/o legumes (≥ 3 species)	3	3
e. Monoculture of one specie	es of native or introduced grasses	s 1 🔲	1
f. None of the above OR Pas or canary grass (> 65% of s	ture is composed of mostly fesci tand)	ue 0	o 🔲
2. <u>Vegetative Height or</u> (Choose one that reflects <u>o</u>	n May 1: Iominant condition of fields be	eing evaluated)	
a. Predominant stand height	is > 12 inches	10	10
b. Predominant stand height	is 8 - 12 inches	7	7
c. Predominant stand height	is 4 – 8 inches	4	4
d. Predominant stand height	is < 4 inches	0	0
3. Stand Management: (Choose one that reflects of	lominant condition of fields be	eing evaluated)	
a. Rotational grazing, light to (average forage height > 6	moderate use " CSG or > 10" WSG during gro	wing season)	10
b. Continuous grazing with liq (average forage height > 6	ght to moderate use " CSG or > 10" WSG during gro	wing season) 7	7
c. Rotational grazing, modera (average forage height 3 –	ate to heavy use · 6" CSG or 6-10" WSG during g	rowing season)	4
d. Rotational grazing, heavy (average forage height < 3	use " CSG or < 6" WSG during grow	ving season)	2
e. Continuous grazing with he (average forage height < 3	eavy use " CSG or < 6" WSG during grow	ving season)	0

Choose either 4A or 4B as appropriate. If have both pasture types need to do two sheets

4A. <u>Field Size</u> : (upland pastures only)		
(Choose one that reflects <u>dominant</u> condition of fields being evaluated)	<u>Existing</u>	<u>Planned</u>
a. More than 80 acres	10	10
b. 40 to 80 acres	7	7
c. 20 to 40 acres	5	5
d. 10 to 20 acres	3	3
e. Less than 10 acres	1	1
4B. <u>Field Configuration</u> (<i>riparian pastures only</i>): (Choose one that reflects <u>dominant</u> condition of fields being evaluated)		
a. Average width of pasture > 300 feet	10	10
b. Average width of pasture > 200 - 300 feet	7	7
c. Average width of pasture > 100 to 200 feet	5	5
c. Average width of pasture > 50 to 100 feet	3	3
d. Average width of pasture < 50 feet	1	1
5. <u>Water:</u> (Choose one that reflects <u>dominant</u> condition of fields being evaluated)		
a. Livestock are watered without having direct water contact access to any ponds or streams as applicable to site	10	10
 b. Livestock access to ponds or streams is through a single controlled access point to minimize water quality degradation from livestock waste and sediment 	5	5
c. Livestock have free access to water bodies or streams	0	0

6. <u>Proximity to Other Cover Types</u> : (Choose one that reflects <u>dominant</u> condition of fields being evaluated. Distances are from field edges)		
 a. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) adjacent 	10	10
 b. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) < 660 feet 	7	7
c. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) < 1320 feet <u>OR</u> cropland > 50% residue adjacent	5	5
 d. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) < 2640 feet <u>OR</u> cropland > 50% residue < 660 feet 	2	2
e. None of the above	0	0
	Existing	Planned
Total Points from 1- 6		
HABITAT SUITABILITY INDEX:		
Total Possible Points: 60		
To derive HSI, divide total points by 60		
Initial HSI		
Bonus Points:		
Add 0.1 to HSI value if any of the following apply to the evaluated fields (ma	ax 0.1):	
*Using Integrated Pest Management		
*Following a Prescribed Grazing Plan that meets 528 Standard		
Final HSI:	-	
If wildlife is secondary concern, then the Minimum Wildlife HSI for F	Pastureland HSI <u>></u>	0.5
Meets Planning Criterion?	No Yes	No

GRASSLAND HABITAT - Hayland (Permanent Hay or Condition of the Hay in a Rotational Cropping System)

PRODUCER:		DATE:		
FARM #:	TRACT #:	Field #(s):	
(Note: species must	of Stand: lects dominant condition of fields be to be a substantial component of who tred plants to be counted below.)		Existing	<u>Planned</u>
a. Hayland seeding m and legumes (> 5 s	ixture contains of grasses pecies total)		10	10
b. Hayland seeding m and legumes (> 3 s	ixture contains of grasses pecies total)		7	7
c. Hayland seeding m	ixture > 1 legume		4	4
d. Hayland seeding m	ixture > 1 grass		2	2
e. Hayland seeding m	ixture is a monoculture of grass or legu	ıme	1	1
2. Stand Manage (Choose one that ref	ment: lects <u>dominant</u> condition of fields b	eing evaluated)		
a. First hay cutting is b	pefore April 15 or after July 15 th		10	10
b. First hay cutting is the hayland acres un-m	petween May 1 st and July 15 th but leave nown until after August 1 st	e 20% of	8	8
c. First hay cutting on	≥ 25% of hayland in field is after July 1	15 th	6	6
	between May 1 st and July 15 th but leave lown until after August 1 st	e ≥ 10% of	4	4
e. No hay cutting on ≥	25% of hayland in field after August 1	5 th	2	2
f. None of the above a	pplies		0	0
3. Over Winter St (Choose one that ref	and Height: lects <u>dominant c</u> ondition of fields b	eing evaluated)		
a. September 30 th star	nd height > 6 inches on <u>></u> 65% of hayla	and acres	10	10
•	nd height > 6 inches on \geq 40 % of hayl stand height 3 - 6 inches on \geq 65% of		6	6
c. September 30 th star	nd height stand height 3 - 6 inches on	≥ 40% of hayland	3	3
d. None of the above.			0	0

4. <u>Field Configuration</u> : (Choose one that reflects <u>dominant</u> condition of fields being evaluated)	Existing	<u>Planned</u>
a. Minimum width > 200 feet	10	10
b. Minimum width 100 - 200 feet	5	5
c. Minimum width < 100 feet	2	2
5. <u>Proximity to Other Cover Types</u> : (Choose one that reflects <u>dominant</u> condition of fields being evaluated. Distances are from field edges)		
 a. More than 5 acres of non-fall tilled cropland, food plot (≥ 1acre), ungrazed woodland, or idle grassland adjacent 	10	10
 b. More than 5 acres of non-fall tilled cropland, food plot (≥ 1acre), ungrazed woodland, or idle grassland within 660 feet 	7	7
c. More than 5 acres of non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland within 1320 feet OR cropland > 50% residue adjacent	5	5
d. More than 5 acres of non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland within 2640 feet <u>QR</u> cropland > 50% residue within 660 feet	2	2
e. None of the above	0	0
Total Points from 1- 6		
HABITAT SUITABILITY INDEX:		
To derive HSI, divide total points by 40		
Initial HSI	>	
Bonus Points: Add 0.1 to HSI value if using Integrated Pest manageme	ent	
Final HSI	>	
If wildlife is secondary concern, then the Minimum Wildlife HSI for Hay	/land HSI ≥ 0.∜	5
Meets Planning Criterion?	No 🔲 N	No 🗌
	Yes	res

WOODLAND WILDLIFE EVALUATION

(This includes woodland, savanna, wooded portions of pasture, draws, etc.)

PRODUCER:		DATE:		
FARM#:	TRACT #:	Field #(s)	:	
(Choose one that refle	position – stand diversity: ects dominant condition of fields be > 1% of trees in stand)	s being evaluated. To	Existing	<u>Plannec</u>
	ast trees, > 3 hard mast species, a orn, multiflora rose, honey suckle,		15	15
	ast trees, > 3 hard mast species, a orn, multiflora rose, honey suckle,		12	12
	ast species but has ≥ 3 hard mast oney locust, buckthorn, multiflora rad.		10	10
	cies, <u>></u> 4 species present, at least locust, buckthorn, multiflora rose, ad.		7	7
e. Stand has < 4 specie invasive are <20% o	es, but at least 1 is a hard mast sp f stand.	ecies,	5	5
f. Stand has < 4 species	s, no hard mast and invasive are <	20% of stand.	3	3
	suckle, etc. are < 20% of stand.	locust, buckthorn,	1	1
h. Stand has > 20% inv	asive/undesirable species.		0	0
	Diversity: cts <u>dominant</u> condition of fields st be > 5% of trees in stand)	s being evaluated – to		
	ll 4 classes: Saw timber, > 12" DE ll Trees, 2-5" DBH; and Reproduc		10	10
b. 2-3 age classes prese	ent		5	5
c. Woodland dominated	by one age class		1	1
3. Woodland Mana (Choose one that refle	gement: cts <u>dominant</u> condition of fields	s being evaluated)		
a. Woodland is ungraze	d		20	20
b. Woodland periodically approved grazing plan	y grazed as part of a NRCS		5	5
c. Woodland has unmar	naged livestock access		0	0

4. <u>Understory Conditions</u> : (Choose one that reflects <u>dominant</u> condition of fields being evaluated)	Existing	Planned
a. Mostly shrubs, saplings, brush piles, downed trees, woody debris, and herbaceous plants	10	10
b. Few, scattered downed trees, woody debris, brush piles, saplings, and shrubs, mostly herbaceous cover	5	5
c. Mostly open ground with little cover	1	1
d. Dominated by invasive species	0	0
5. Snags or Den (cavity) Trees: (Choose one that reflects dominant condition of fields being evaluated)		
a. Average is more than 5 trees per acre	5	5
b. Average is 2 - 5 trees per acre	3	3
c. Average is less than 2 trees per acre	0	0
6. <u>Proximity to Other Cover Types</u> : (Choose one that reflects <u>dominant</u> condition of woodland being evaluated Distances are from woodland edge)	I.	
 a. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed grassland (> 10 acres) adjacent 	10	10
 b. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed grassland (> 10 acres) < 660 feet 	7	7
c. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed grassland (> 10 acres) < 1320 feet OR cropland > 50% residue adjacent	5	5
 d. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed grassland (> 10 acres) < 2640 feet <u>OR</u> cropland > 50% residue< 660 feet 	2	2
e. None of the above	0	0
Total Points from 1-7		
HABITAT SUITABILITY INDEX:		
To derive HSI, divide total points by 70		
Final HSI	-	
If wildlife is secondary concern, then the Minimum Wildlife HSI for \	Woodland HSI <u>></u>	≥ 0.5
Meets Planning Criterion?	No 🗌	No 🗌
	Yes	Yes

GRASSLAND HABITAT - Idle Grasslands (CRP, odd areas, or other herbaceous dominated areas not being used for production)

PRODUCER:	DATE	:	
FARM #:	TRACT #:	Field #(s):	
	dominant condition of fields beir substantial component of stand,		ing <u>Planned</u>
a. Native species with ≥ 15	species grasses, forbs, legumes	15	15
b. Native species with ≥ 10	species grasses, forbs, legumes	10	10
c. Mixed Introduced grasses > 5 total species with ≥ 2	s (w/o fescue or reed canary grass), forbs/legumes	10	10
d. Mixed natives w/o forbs/le	egumes, <u>> 5</u> species	7	7
e. Mixed introduced grasses with at least 1 legume	s <u>> 5</u> total species	7	7
f. Mixed grasses, ≥ 2 species (not reed canary grass or		5	5
g. Mixed grasses > 2 specie	es e	3	3
h. Stand is none of the above	/e	1	1
2. Size of Stand: (Choose one that reflects	dominant condition of fields beir	ng evaluated)	
a. More than 40 acres or lin	ear strip <u>> </u> 50 feet wide	10	10
b. 20 - 40 acres or linear str	rip <u>> 4</u> 0 feet wide	7	7
c. 10 – 19 acresor linear str	ip <u>> 3</u> 0 feet wide	5	5
d. 1 - 10 acres or linear strip	> 20 feet wide	3	3
e. less than 1 acre or linear	strip < 20 feet wide	0	0

3. Choose either 3A or 3B whichever best fits site conditions. Use 3A if site is CRP or non-grassland remnant. Use 3B if stand is a native grassland remnant

3A. Proximity to Other Cover Types: (Choose one that reflects dominant condition of fields being evaluated. Distances are from field edges) **Planned** Existing a. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) adjacent b. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) < 660 feet c. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) < 1320 feet **OR** cropland > 50% residue adjacent d. Non-fall tilled cropland, food plot (≥ 1acre) or ungrazed woodland (> 5acres) < 2640 feet **OR** cropland > 50% residue < 660 feet e. None of the above 3B. Remnant Area: (Choose one that reflects dominant condition of fields being evaluated) a. Area is a native prairie remnant with a documented Federally listed or candidate T&E Species living on the site b. Area is a native prairie remnant with a documented State listed T&E species living on site. c. Area is a native prairie remnant with a documented State listed Species of Special Concern living on the site d. Area is a native prairie remnant **Total Points from 1-3 HABITAT SUITABILITY INDEX:** To derive HSI, divide total points by 35 Final HSI -----If wildlife is secondary concern, then the Minimum Wildlife HSI for Idle Grassland HSI ≥ 0.5 **Meets Planning Criterion?**

Appendix:

WILDLIFE HABITAT

Fish and wildlife survival depends upon habitat. Habitat is composed of those thing that wildlife needs to survive, water, food and cover. This appraisal system is intended to measure general habitat value for those three criteria for upland wildlife which are the target of the 645 Standard. In Iowa water is usually not essential for most upland wildlife species and this system focuses on cover and food. This appraisal looks at cropland grassland and woodland habitats.

Tillage practices affect wildlife in 4 primary ways:

1. Amount of cover provided by crop



- 2. Availability of wildlife food in crop residue
- 3. Timing and frequency of disturbance





4. Toxicity of nutrient inputs and Pesticides



Standing crop residue is particularly important for Winter Cover and Food



Small mammal diversity increases with crop residue

In Ag fields, crop residue can provide wildlife cover



In general, the higher the amount of crop residue, the greater the value for wildlife cover

Undisturbed cropland can also provide nesting habitat as the following table form research by Dr. Louis Best done at Iowa State University.

and no-till (NT) corn an	d soybe	ans (fror	n Best 1	986)
		orn		peans
Species	T	NT	T	NT
Ring-necked pheasant		X	X	X
Killdeer	X	X		
Mourning dove	X	X	X	X
Horned lark	X		X	
American robin		X		
Common yellowthroat		X		
Bobolink		X		
Eastern meadowlark		X		
Western meadowlark		X		X
Red-winged blackbird	X	X		
Brown-headed cowbird	X	X	X	X
Dickcissel		X	X	
Savannah sparrow		X		
Grasshopper sparrow		X		
Vesper sparrow	X	X	X	X
Field sparrow		X		X

Undisturbed crop residue also can provide more food for wildlife than tilled fields since tillage buries food making it less accessible, especially for smaller species. If tillage is done, it is best done in the spring months when other sources of food become available. Tillage done early without later trips such as cultivating, reduce nest loss and direct mortality to wildlife.

Conservation Tillage, especially No-Till, in conjunction with

Integrated Pest Management,
Crop rotation
Nutrient management
Conservation buffers

Greatly improves wildlife habitats in cropland fields

The interspersion of cover types is also valuable. The shorter the distances between different habitats, the less vulnerable species are when moving across open landscapes such as cropland or short grassland such as heavily grazed pasture. Long travel distances expose wildlife to predation.

Smaller species of wildlife such as small mammals and small bird that have to travel long distances for food in the winter use up valuable stored fat reserves and waste much or the energy from the food they consume just to make the trip.

While larger species such as deer can travel longer distances, a Bobwhite Quail for instance, would prefer to have all their food and cover needs within a home range of 40 acres. Benefits of other habitat types or food resources start to be less valuable if they are more than 1/8 of mile away.



Wildlife needs a diversity of grass and forbs and legumes for cover. More species and taller residual cover is important to providing quality habitat.

 Grasslands are sources of food for broods: forbs or legumes for energy and insects for protein



Many wildlife species have a varying diet throughout the year. In the spring for instance, the hen pheasant or quail needs large amount of protein when laying her clutch of eggs rather than just carbohydrates. When the young birds hatch they need protein to grow muscles and feather and their mother needs more protein to replace the feathers she sheds. When fall and winter come, carbohydrate from seeds and waste grain are used

much more extensively. This is why a variety of food types and sources are valuable to wildlife.



In the winter much like people, wildlife needs places that provide thermal cover so that they can get in out of the cold and wind.





Woodlands can provide reproductive cover, escape cover and winter for many species. Again a diversity of tree and shrub species provide better habitat than single species or even aged stands (tree plantations).

Woodland Wildlife Habitat

Diversity of tree species is good – want both hard mast trees and soft mast species to provide varied foods for different species

Hard mast: oaks, hickories, walnuts, pecan, etc. that produce a seed is a shell

Soft mast: ashes, maples, berry producers, etc. that don't have a hard shell

Wildlife tends to eat more of the fruit and seeds of soft mast species during the summer and early fall months. The hard mast species "fruits" are better protected from the elements and provide food in the winter and early spring months.

Woodland should not all be one age class of trees even if have multiple species

Need to keep some old mature saw timber size trees as well as pole and sapling aged trees for diverse wildlife values

Want to open the canopy enough to have light reach forest floor and allow forbs and shrubs to grow

Saw timber trees are those >12 inches DBH, Pole trees are from 6-12 inch DBH, saplings are 2-6 inches DBH, and reproduction are those <2 inch DBH. Typically prefer a canopy of less than 70 percent coverage to allow light top reach the floor in larger stands. In small stands, wooded draws, etc., usually enough light reaches the forest floor from the sides so overhead canopy is less of an issue.





Unrestricted grazing of timber has one of the worst impacts on the woodland habitat. The cattle trample and eat the herbaceous layer, destroy young trees and compact the forest floor making regeneration of woody and herbaceous plants much more difficult. For quality woodland wildlife habitat, cattle should be fenced form woodlands. Typically woodland tracts have little forage for cattle so fencing them out of woodlands does not limit their food availability by much. In open grassland woodland habitats like savannas, limited flash grazing may be useful to maintain the open woodland nature.

Wooded draws provide travel lanes for wildlife between habitats as well as escape cover.



Practices like CRP riparian forest corridors can help provide more corridors. Maintaining existing wooded draws in crop and pasture fields is important in maintaining both travel and escape/winter cover for wildlife, especially those that are least mobile.



SHRUBS such as
Hazelnut
Wild plum,
Aromatic sumac,
Shrub lespedeza,
Roughleaf dogwood,
etc., planted along
abrupt woodland
edges softens
the transition to
other habitats and
provide additional
food and cover to a
woodland stand for
wildlife



Another method to provide softer edge transitions is to conduct edge feathering to provide a gradual transition from mature trees to cropland grasslands in particular. In this practice, trees along the edge a felled randomly both into the woodland and out toward the open field. Some or all can be left partially attached, in this case the trees leaf out for a few years and acts like a shrub layer.