

COMPILED 2022 COASTAL PRAIRIES RESTORATION PRACTITIONERS FORUM QUESTIONNAIRE RESPONSES					
Name:	Benigno, Stephen	Simmons, Ricci	Chesnutt, Amanda	Smith, Christine (Chris)	Ceron, Brenna
Organization	Houston Arboretum & Nature Center	Galveston Bay Foundation	USFWS - Anahuac N	Armand Bayou Nature Ce	TPWD-Galveston Island SP
Coastal prairie zone	Middle	Middle	Upper	Upper	Upper
<u>McCartney Rose</u>					
Problematic Rank (1-10)	2	10	NA	6	NA
Preferred control strategy (Mowing, Herbicide, Fire, Other)	All - Herbicide resprouts following mow or fire	First mow, then treat regrowth with herbicide		Herbicide	
Preferred time or season for control	Growing season	Spring/Summer		Growing season	
Chemical (if an option)	Triclopyr or glyphosate	Glyphosate		Garlon 4 Ultra	
Concentration / % Mix	As directed	2%		2%	
Application method	Foliar spray	Foliar spray		Basal spray	
<u>Chinese Privet</u>					
Problematic Rank (1-10)	10	4	1	2	NA
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Mow or Herbicide. Currently unable to implement fire in problematic areas	Herbicide	Herbicide/Fire	Mowing	
Preferred time or season for control	Growing season	Summer	Spray in spring through late summer, burn in the summer	Growing season	

Name:	Benigno, Stephen	Simmons, Ricci	Chesnutt, Amanda	Smith, Christine (Chris)	Ceron, Brenna
Chemical (if an option)	Triclopyr	Glyphosate	Triclopyr		
Concentration / % Mix	As directed, depends on application method	2%	25% Chemical, 25% Diesel, 50% Blue oil/Surfactant		
Application method	Basal, Cut stump, or Foliar spray depending on form	Foliar	Basal spray		
<u>Yaupon</u>					
Problematic Rank (1-10)	8	4	NA	2	3
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Mow or Herbicide. Currently unable to implement fire in problematic areas	Herbicide		Mowing	Fire
Preferred time or season for control	Growqing season			Growing season	During the burn season, October through March
Chemical (if an option)	Triclopyr	Glyphosate			
Concentration / % Mix	As directed, depends on application method	2%			
Application method	Basal, Cut stump, or Foliar spray depending on form	Foliar			
<u>Chinese Tallow</u>					
Problematic Rank (1-10)	5	10	8	10	6
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Herbicide	Herbicide	Herbicide/Fire	Mowing/Herbicide	Herbicide

Name:	Benigno, Stephen	Simmons, Ricci	Chesnutt, Amanda	Smith, Christine (Chris)	Ceron, Brenna
Preferred time or season for control	Fall – Trees are more easily identified due to changing leaf col	Winter/Summer	Spray in spring through late summer, burn in the summer	Any season	October and April
Chemical (if an option)	Triclopyr	Triclopyr/Diesel (20%/80%)- hack and squirt and cut-stump Glyphosate – foliar applications	Triclopyr	Garlon 4 Ultra	Garlon 4 (Triclopyr 61.6%)
Concentration / % Mix	As directed, depends on application method	Triclopyr/Diesel =20%/80% Glyphosate - 2%	25% Chemical, 25% Diesel, 50% Blue oil/Surfactant	2%	100%
Application method	Cut stump or Foliar spray depending on form	Foliar spray, cut stump, hack and squirt	Basal spray	Basal spray/Cut stump	Hack & squirt
<u>Bermuda</u>					
Problematic Rank (1-10)	1	1	NA	NA	6
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Hand pull in garden areas	Do not treat for this species			Chemically treat larger areas of Bermuda & then plant native vegetation to shade it out and keep it from
Preferred time or season for control	All year				Early Spring/Early Growing Season

Name:	Benigno, Stephen	Simmons, Ricci	Chesnutt, Amanda	Smith, Christine (Chris)	Ceron, Brenna
Chemical (if an option)					Round Up ProMax (Glyphosate) and Plateau (Ammonium Salt of Imazapic)
Concentration / % Mix					Mix: Round Up ProMax (4%) and Plateau (0.4%)
Application method					Foliar spray
<u>Bahia</u>					
Problematic Rank (1-10)	NA	2	NA	NA	3
Preferred control strategy (Mowing, Herbicide, Fire, Other)		Herbicide			Chemically treat larger areas and then plant native vegetation to shade it out and keep it from growing back
Preferred time or season for control		Summer			Early Spring/Early Growing Season
Chemical (if an option)		Glyphosate			Round Up ProMax (Glyphosate) and Plateau (Ammonium Salt of Imazapic)
Concentration / % Mix		2%			Mix: Round Up ProMax (4%) and Plateau (0.4%)
Application method		Foliar spray			Foliar spray
<u>Johnson grass</u>					
Problematic Rank (1-10)	2	6	3	6	1
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Hand pull	Herbicide	Mowing, herbicide, disking, aerating	Mowing. Herbicide	Herbicide
Preferred time or season for control	Growing season	Spring/Summer	When present	Growing season	Spring/Early Growing Season before seedheads form

Name:	Benigno, Stephen	Simmons, Ricci	Chesnutt, Amanda	Smith, Christine (Chris)	Ceron, Brenna
Chemical		Glyphosate	Glyphosate, Imazapyr	Roundup	Round Up ProMax
Concentration / % Mix		2%	1.5% Glyphosate, 1.5% Imazapyr, 1 pint NIS/100 gallons of mix	2 - 4%	2 oz/gal
Application method		Foliar spray	Foliar spray	Foliar spray	Foliar spray
<u>Old world bluestems</u>					
Problematic Rank (1-10)	6	7	NA	NA	5
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Herbicide	Herbicide			Herbicide
Preferred time or season for control	Fall when these species are more easily identified	Spring/Summer			Early Growing Season before seedheads form
Chemical (if an option)	Glyphosate	Glyphosate			Round Up ProMax
Concentration / % Mix	6oz/gal	2%			2 oz/gal
Application method	Foliar spot treatment	Foliar spray			Foliar spray
<u>Vasey grass</u>					
Problematic Rank (1-10)	6	10	1	8	8
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Herbicide	Mow/Herbicide	Fire, herbicide, aerating, disking	Mowing	Herbicide

Name:	Benigno, Stephen	Simmons, Ricci	Chesnutt, Amanda	Smith, Christine (Chris)	Ceron, Brenna
Preferred time or season for control	Growing season, preferably early in the season while it is green but before native species emerge from dormancy	Spring/Summer	Spring to Summer	Growing season	Year round
Chemical (if an option)	Glyphosate	Glyphosate	Glyphosate, Imazapyr		Round Up ProMax (Glyphosate) and Plateau (Ammonium Salt of Imazapic)
Concentration / % Mix	6oz/gal	2%	1.5% Glyphosate, 1.5% Imazapyr, 1 pint NIS/100 gallons of mix		Mix: Round Up ProMax (4%) and Plateau (0.4%)
Application method	Foliar spot treatment	Foliar spray	Foliar spray		Foliar spray
Deep-rooted sedge					
Problematic Rank (1-10)	10	10	9	8	3
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Mow, herbicide, fire	Dig up, cut seed heads, mow, herbicide	Fire, herbicide, aerating, disking	Herbicide, Dig & Dispose	Herbicide
Preferred time or season for control	Dormant season for herbicide control - DPR typically continues to be green and growing at this time while native species are dormant, minimizing collateral damage. Mow to remove seed heads during growing season. Fire must be followed by herbicide	Any season	Spring to Summer	Growing season	Year round
Chemical (if an option)	Glyphosate	Glyphosate, not very successful	Glyphosate, Imazapyr	Roundup	Round Up ProMax (Glyphosate)
Concentration / % Mix	9oz/gal	2%	1.5% Glyphosate, 1.5% Imazapyr, 1 pint NIS/100 gallons of mix	2 - 4%	2%
Application method	Foliar spot treatment	Foliar spray	Foliar spray	Foliar spray	Foliar spray

COMPILED 2022 COASTAL PRAIRIES						
Name:	Goehring, Stephanie	Swanson, Katie	Hohlt, Jason	Rebstad, Liz et.al.	Merz, Evelyn	Caldwell, Jim
Organization	USFWS	Mission-Aransas National Estuarine Research Reserve	USDA-Natural Resources Conservation Service	Houston Parks Board	UH Coastal Center	RES
Coastal prairie zone	Upper	Middle	Works in 50 counties	Middle	Upper	Upper
<u>McCartney Rose</u>			GERNALLY----			
Problematic Rank (1-10)	10	1	Follows the Texas Agrilife	4	NA	9
Preferred control strategy (Mowing, Herbicide, Fire, Other)	All	NA	Extension ERM-1466	Herbicide		Herbicide
Preferred time or season for control	Growing season			Spring/Summer		Spring/Summer
Chemical (if an option)	Triclopyr			Glyphosate (Ranger Pro) and Triclopyr (Triclopyr 3)		Garlon 3a in wetlands; Grazon p+d in uplands (contains 2,4-D check county restrictions)
Concentration / % Mix	4% Triclopyr, 4% oil, 92% water mix			2oz/gal of Glyphosate and 1oz/gal of Triclopyr		10% Garlon 3a or 1% Grazon p+d in water
Application method	Foliar spray			Foliar preferred, but varies by location		Foliar spray
<u>Chinese Privet</u>						
Problematic Rank (1-10)	NA	1		5	6	5
Preferred control strategy (Mowing, Herbicide, Fire, Other)		NA		Herbicide and Mechanical removal	Primarily Mowing, but some herbicide	Herbicide
Preferred time or season for control				Spring/Summer	Spring and Summer	Growing season

Name:	Goehring, Stephanie	Swanson, Katie	Hohlt, Jason	Rebstad, Liz et.al.	Merz, Evelyn	Caldwell, Jim
Chemical (if an option)				2,4-D Amine, Triclopyr 4, and MSO	Triclopyr 4	Garlon 3a in wetlands; Garlon 4 in uplands
Concentration / % Mix				Recipe came from TPWD and mixed in large batches	30% Tric;lopyr 4 / 70% MSO	50-100% Garlon 3a in water or 25% Garlon 4 in MSO
Application method				Cut stump	Cut stump	Basal spray / Cut stump
<u>Yaupon</u>						
Problematic Rank (1-10)	NA	1		4	7	4
Preferred control strategy (Mowing, Herbicide, Fire, Other)		NA		Herbicide and Mechanical removal	Mowing, Fire, and Herbicide	Herbicide
Preferred time or season for control				Spring/Summer	Spring through Fall	Growing season
Chemical (if an option)				2,4-D Amine, Triclopyr 4, and MSO	Triclopyr 4	Garlon 3a in wetlands; Garlon 4 in uplands
Concentration / % Mix				Recipe came from TPWD and mixed in large batches	30% Tric;lopyr 4 / 70% MSO	50-100% Garlon 3a in water or 25% Garlon 4 in MSO
Application method				Cut stump	Cut stump and foliar spray of re-sprouts	Basal spray / Cut stump
<u>Chinese Tallow</u>						
Problematic Rank (1-10)	10	4		6	10	11
Preferred control strategy (Mowing, Herbicide, Fire, Other)	Herbicide	Herbicide		Mechanical removal with herbicide	Mowing of re-sprouts, Mechanical removal with heavy machinery, Fire, Herbicide	Herbicide

Name:	Goehring, Stephanie	Swanson, Katie	Hohlt, Jason	Rebstad, Liz et.al.	Merz, Evelyn	Caldwell, Jim
Preferred time or season for control	Growing season			Summer	Mowing in the spring, Fire on a 3-year cycle in the spring, herbicide in spring & fall of smaller specimens, Herbicide of larger trees in late summer / early fall	Growing season or anytime someone is available to treat
Chemical (if an option)	Triclopyr	Glyphosate		2,4-D Amine, Triclopyr 4, and MSO	Triclopyr 4	Garlon 3a in wetlands; Tordon RTU in uplands (contains 2,4-D); Clearcast aerial
Concentration / % Mix	25% Triclopyr, 25% diesel, 50% oil mix for basal spray Triclopyr for cut stump	40%		Recipe came from TPWD and mixed in large batches	30% Triclopyr 4 / 70% MSO	50-100% Garlon 3a for basal or cut stump; Tordon RTU is ready to use
Application method	Basal and Cut stump	Cut stump and Hack & Squirt		Cut stump	Cut stump or foliar spray of smallest, hack & squirt of medium trees, and spraying into girdled groove of largest trees	Basal spray / Foliar spray / Cut stump / Hack & squirt / Aerial
<u>Bermuda</u>						
Problematic Rank (1-10)	NA	9		9	NA	7
Preferred control strategy (Mowing, Herbicide, Fire, Other)		Herbicide and Mechanical removal - pulling by volunteers		Mowing and herbicide		Herbicide
Preferred time or season for control				Mow in the winter and spray in the spring/summer		Spring /Summer

Name:	Goehring, Stephanie	Swanson, Katie	Hohlt, Jason	Rebstad, Liz et.al.	Merz, Evelyn	Caldwell, Jim
Chemical (if an option)		Glyphosate		Glyphosate (Ranger Pro) and Triclopyr (Triclopyr 3)		Round-up
Concentration / % Mix		1%		2oz/gal of Glyphosate and 1oz/gal of Triclopyr		1- 3% in water
Application method		Foliar spray		Foliar spray		Foliar spray
<u>Bahia</u>						
Problematic Rank (1-10)	NA	NA		7	NA	NA
Preferred control strategy (Mowing, Herbicide, Fire, Other)				Mowing and herbicide		
Preferred time or season for control				Mow in the winter and spray in the spring/summer		
Chemical (if an option)				Glyphosate (Ranger Pro) and Triclopyr (Triclopyr 3)		
Concentration / % Mix				2oz/gal of Glyphosate and 1oz/gal of Triclopyr		
Application method				Foliar spray		
<u>Johnson grass</u>						
Problematic Rank (1-10)	NA	3		10	1	7
Preferred control strategy (Mowing, Herbicide, Fire, Other)		Herbicide		Mowing and herbicide	Mowing	Herbicide
Preferred time or season for control				Mow in the winter and spray in the spring/summer		Spring/Summer

Name:	Goehring, Stephanie	Swanson, Katie	Hohlt, Jason	Rebstad, Liz et.al.	Merz, Evelyn	Caldwell, Jim
Chemical		Glyphosate		Glyphosate (Ranger Pro) and Triclopyr (Triclopyr 3)		Polaris (Imazapyr)
Concentration / % Mix		1%		2oz/gal of Glyphosate and 1oz/gal of Triclopyr		1 - 3% in water
Application method		Foliar spray		Foliar spray		Foliar spray
<u>Old world bluestems</u>						
Problematic Rank (1-10)	NA	8		10	10 in disturbed ROW areas	NA
Preferred control strategy (Mowing, Herbicide, Fire, Other)		Herbicide, Fire		Mowing and herbicide	Mowing - at this time	
Preferred time or season for control				Mow in the winter and spray in the spring/summer		
Chemical (if an option)		Glyphosate		Glyphosate (Ranger Pro) and Triclopyr (Triclopyr 3)		
Concentration / % Mix		1%		2oz/gal of Glyphosate and 1oz/gal of Triclopyr		
Application method		Foliar spray		Foliar spray		
<u>Vasey grass</u>						
Problematic Rank (1-10)	NA	NA		7	8 in areas of brush removal	8
Preferred control strategy (Mowing, Herbicide, Fire, Other)				Mowing and herbicide and sometimes hand-pulling	Mowing and herbicide	Herbicide

Name:	Goehring, Stephanie	Swanson, Katie	Hohlt, Jason	Rebstad, Liz et.al.	Merz, Evelyn	Caldwell, Jim
Preferred time or season for control				Mow in the winter and spray in the spring/summer	Growing season before it sets seed	Summer
Chemical (if an option)				Glyphosate (Ranger Pro) and Triclopyr (Triclopyr 3)	Glyphosate and Polaris	Polaris (Imazapyr)
Concentration / % Mix				2oz/gal of Glyphosate and 1oz/gal of Triclopyr	2% Glyphosate and 4% Polaris in Aqua-King water-based surfactant	1 - 3% in water
Application method				Foliar spray	Foliar spray	Foliar spray
Deep-rooted sedge						
Problematic Rank (1-10)	1	NA		7	1	10
Preferred control strategy (Mowing, Herbicide, Fire, Other)				Herbicide and hand pulliong		Herbicide
Preferred time or season for control				Spring or Summer--right after the seed head appears		Spring/Summer
Chemical (if an option)				Glyphosate		Round-up and/or Polaris
Concentration / % Mix				2 oz/gal		5% Round-up only or 3% Polaris only or 3% Round-up + 1% Polaris mix
Application method				Foliar spray		Foliar spot spray or aerial pre-emergent