

## QUICK REFERENCE TABLE

Target/Type of Control Desired	Herbicide	Application Rate	Optimum Treatment Period	Comments
Guardrails, delineators, mailboxes, signage (removal of tall weeds)	<i>Roundup Pro</i> <sup>®</sup> + <i>Escort</i> <sup>®</sup> XP + <i>Outrider</i> <sup>®</sup>	8 ounces + ½ ounce + 1.33 ounces per acre	Apply after wildflowers seed & before July 31 <sup>st</sup> .	Complete control (bare ground) beneath guardrails, under delineators and around sign supports is NOT RECOMMENDED.
	<i>Roundup Pro</i> <sup>®</sup> + <i>Outrider</i> <sup>®</sup>	8 ounces + 1.33 ounces per acre	Can be applied until October 15 <sup>th</sup> .	
Edge of Pavement, (Bare Ground edge of pavement application, no more than 6 inches from edge of road surface)	<i>Roundup Pro</i> <sup>®</sup> with <i>Landmark</i> <sup>®</sup> XP	4 quarts per acre + 2-3 ounces per acre	March through September	Add 2 ounces of <i>Landmark</i> <sup>®</sup> XP with 4 quarts of <i>Roundup Pro</i> <sup>®</sup> to provide short term control of edges and 3 ounces for extended control of vegetation in Edge of Pavement.
Wildoats or Jointed Goatgrass	<i>Roundup Pro</i> <sup>®</sup>	½ quart per acre	Late March	Spray before seed mature.
Switchgrass	<i>Roundup Pro</i> <sup>®</sup>	2 % Solution	Apply while actively growing	Spot treatment during growing season.
		33 % Solution	Apply while actively growing	Rotowiper application.
Johnsongrass control	<i>Roundup Pro</i> <sup>®</sup> + <i>Outrider</i> <sup>®</sup>	8 ounces + 1.33 ounces per acre	Early boot to early seedhead	Fixture or Flex-5. For use in Bahiagrass areas.
	<i>Roundup Pro</i> <sup>®</sup> + <i>Escort</i> <sup>®</sup> XP + <i>Outrider</i> <sup>®</sup>	8 ounces + ½ ounce + 1.33 ounces per acre		Fixture or Flex-5 booms. In areas of good wildflowers, do not continue use of <i>Escort</i> <sup>®</sup> XP in wide patterns (overspray) after July 31 <sup>st</sup> and <i>Outrider</i> <sup>®</sup> after October 15 <sup>th</sup> .
	<i>Outrider</i> <sup>®</sup>	1.33 ounces per acre + ½ % Surfactant		Fixture or Flex-5. Where <i>Roundup</i> <sup>®</sup> Pro brownout has been a problem. Add surfactant at 2 quarts per 100 gallons of water.
	<i>Roundup Pro</i> <sup>®</sup>	2 parts water, 1 part chemical		Ropewick. May require 1:1 ratio.

## QUICK REFERENCE TABLE (contd.)

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Guinea Grass	<i>Roundup Pro</i> <sup>®</sup>	2% Solution	Apply while actively growing	Spot treatment during growing season.
		12 ounces per acre		Application can be made during normal overspray periods by increasing the Roundup Pro rate from 8 to 12 ounces per acre. Fixture or Flex-5 booms.
Itchgrass	<i>Roundup Pro</i> <sup>®</sup>	2% Solution	Apply while actively growing	Spot treatment during growing season.
	<i>Roundup Pro</i> <sup>®</sup> + <i>Landmark XP</i> <sup>®</sup>	16 ounces plus 2 ounces per acre		Overspray with Roundup Pro at 16 ounces plus Landmark XP at 2 ounces per acre. Flex-5 or Fixture booms.
Riprap, Paved Medians, Raised Medians and Retaining Walls (Bare Ground)	<i>Roundup Pro</i> <sup>®</sup>	4 quarts per acre	Year Round	Overspray Operations.
		2% Solution		Handgun Operations
Aquatic Vegetation (standing or running water present)	<i>Approved Aquatic Herbicide (54% Glyphosate)</i>	8 quarts per 100 gallons of water	When vegetation is actively growing	Handgun operations. Add surfactant at the rate of 2 quarts/100 gallons of water.
Sunflower	<i>Transline</i> <sup>®</sup>	10 fluid ounces per acre	Late Spring / Early Summer	Fixture or Flex-5 boom. Apply before plants mature.
		10 fl ounces per 100 gallons		Handgun operations.

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Giant Ragweed (Bloodweed)	<i>Vista</i> <sup>®</sup>	10 fluid ounces per acre	Late Spring / Early Summer	Fixture or Flex-5 spray boom. Apply before plants mature. Add surfactant at the rate of 2 quarts per 100 gallons of water. <i>Vista</i> <sup>®</sup> can be combined with the three way or two way overspray mixtures without the need of a surfactant.
		10 fl ounces per 100 gallons		Handgun operations. Add surfactant at the rate of 2 quarts/100 gallons of water.
Musk Thistle	<i>Transline</i> <sup>®</sup>	10 fluid ounces per acre.	Early Spring	Fixture or Flex-5 boom.
		10 fl ounces per 100 gallons.		Handgun operations.
Mesquite & Huisache	<i>Transline</i> <sup>®</sup>	21 fluid ounces per acre + 2 quarts surfactant per 100 gallons of water.	Mid-Summer / Early Fall	Overspray operations with Flex-5 boom.
Mesquite & Huisache, Low Volume Foliar Spray	<i>Transline</i> <sup>®</sup>	<i>Transline</i> <sup>®</sup> - 1/2% + surfactant - 1/2% (2 qts. /100 gallons of water).	Mid-Summer / Early Fall	Use low volume X6 tip. 25 gallon Poly Tank with 12 volt electric pump
Field Bindweed	<i>Escort</i> <sup>®</sup> XP	1 ounce per acre	June-September	Add surfactant at the rate of 1/4% (1 quart per 100 gallons of water).
Common Sunflower		1 ounce per acre	Spray when 2-3 feet in Height	
Western Bitterweed		1 ounce per acre	March-April	
Turnip Weed		1 ounce per acre	February-March	
Morning Glory Vine		1 ounce per acre	June-September	
African Rue		3 ounce per acre	September	
Other Broadleaf Weeds		0.5 ounce per acre	May-July 31 <sup>st</sup>	Rate to be added to two-way or three-way mixture. Overspray use.

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Kochia and Russian Thistle	<i>Vista</i> <sup>®</sup>	10 fluid ounces per acre	When vegetation is actively growing	Fixture or Flex-5 boom.
Brush (Mesquite, Huisache, etc)	<i>Pathfinder II</i> <sup>®</sup>	Basal Bark Treatment	Year Around (Fall least preferable)	Cone Jet #5500, X1 or X2 nozzle required. Spray lower 12"-15" of stem. Complete coverage required. Do not spray to point of runoff.
Saltcedar * (Tamarix)	<i>Habitat</i> <sup>®</sup> *	2 quarts per acre + ¼ % surfactant	When vegetation is actively growing	Fixture or Flex-5 boom. Apply before plants mature.
		2 quarts per 100 gallons + ¼ % surfactant		Handgun operations. Add surfactant at the rate of 2 quart/100 gallons of water.
<p><b>* Please Note: Extreme caution and planning should be used in applying <i>Habitat</i><sup>®</sup> herbicide. <i>Habitat</i><sup>®</sup> can possibly kill adjacent trees and vegetation in the area applied. Before applying this product please contact the Vegetation Management Section staff at: 512-416-3093 for training and assistance in the proper use of this herbicide. <i>Habitat</i><sup>®</sup> herbicide is presently not in our APS system and will need to be Spot Purchased outside for control of this noxious weed.</b></p>				
Georgia Cane or Giant Reed	<i>Approved Aquatic Herbicide (54% Glyphosate)</i>	8 quarts per 100 gallons + 2 quarts surfactant per 100 gallons of water	September - October	Handgun operations. Add surfactant at the rate of 2 quarts per 100 gallons of water
Kudzu **	<i>Transline</i> <sup>®</sup>	21 fluid ounces per acre + 2 quarts surfactant per 100 gallons of water	When vegetation is actively growing	Handgun operations. Add surfactant at the rate of 2 quarts per 100 gallons of water
<p><b>** Please Note: <i>Transline</i><sup>®</sup> at 21 ounces per acre is the maximum use rate per year. Kudzu is a very aggressive vine and additional treatments will need to be planned and scheduled for future years to gain total eradication of this noxious weed. Optional Basal Bark and cut stump applications with <i>Pathfinder II</i><sup>®</sup> can be used at any time during the year.</b></p>				