



ChemPro

SERVICES

MUNICIPAL & ROADSIDE SPRAY SERVICES



ChemPro Services has developed cost-saving vegetation management strategies for county, municipal, and DOT roadside applications. Through the use of carefully selected environmentally appropriate herbicides, ChemPro can help increase the time between mechanical maintenance events, extend equipment replacement cycles, and reduce workers' exposure to roadway dangers by streamlining the work process.

Continuous mowing is the most expensive vegetation management method. Factors such as heavy precipitation, extreme temperature, increased fuel prices, and rising labor costs can strain budgets. And mowing is hard on equipment, which means greater maintenance and repair costs. But by using herbicides in conjunction with a methodical cutting schedule, municipalities can achieve a more aesthetically appealing ROW at a fraction of the cost. ChemPro can develop a cost effective management strategy for your specific vegetation challenges— *using herbicides.*

Services We Offer Municipalities...

- Ditch Bank Management
- Bare Ground Weed Control
- Storm Water Facilities Management
- Utility ROW Management
- Ant Control
- Lot Reclamation
- Seed Head Suppression
- Roadside Chemical Mowing
- Roadside Brush Encroachment
- Horticultural Consultation
- Vegetation and Landscape Planning
- Aquatic Vegetation Management
- Invasive Species Control



ChemPro offers environmentally friendly solutions for municipal vegetation management.



Ditch and Relief Waterway Management



Retention/Detention Storm-Water Pond Management



Custom RTV Spray Systems
Easily Treat Bike Trails and Walking Paths



Aquatic Herbicide
Application



Low Volume Backpack Applications
Ideal for Right-Of-Ways
Invasive Species Eradication



Injection Systems Offer Precise Delivery of Rate Sensitive Products



Maintain Access Roads with an
Economical Herbicide Strategy

Which Services Are Right For You?

Chemical Mowing...

Using selective herbicide technology, ChemPro can remove unwanted vegetation—which actually promotes desirable grasses and keeps the turf base at a safe, manageable height. Such applications are ideal for roadways, highways, and large open-turf areas such as cemeteries, solar farms and airports. ChemPro can begin this type of program any time of the year. Depending on your specific geography and maintenance objectives, ChemPro can administer 2 to 4 seasonally-timed applications. In most cases these applications are coupled with a mowing schedule to maximize potential.

Chemical Mowing typically reduces mowing frequency—saving money on both fuel and equipment maintenance. And such methods create a more aesthetically appealing turf by controlling broad-leaf weeds, resulting in a monoculture of desirable grasses growing at a slower rate. Along roadways, Chemical Mowing production exceed 100 lane miles per day.

Chemical Pruning...

Encroaching brush limits roadway visibility, hosts wildlife, and can be a physical threat to safe passage. Reclaiming encroached areas along roads or adjoining fence lines—or any location where maintained areas meet unmaintained vegetation—is highly practical with herbicides. Common with roadside ROW maintenance, this type of “chemical pruning” is known as Roadside Vertical Brush Application—and can easily replace the use of a side-mounted brush axe. Spraying brush is a fast, effective, and economical way to ensure your roads are safe for travel.

Vertical Brush Application Details: The spray pattern extends 12 feet out from the road edge, and 12 feet vertically from the ground. The resulting “School Bus Pattern” creates a tunnel vision effect, improving roadway visibility. Desirable turf is unaffected, as we traditionally use selective chemistry to treat these target areas.

Unimproved Turf Applications...

Large areas of unimproved turf that require frequent mowing may particularly benefit from herbicide applications. Cost is a key factor: spraying is generally more economical and faster than mowing. Turf applications typically reduce the number of mowing events. The herbicides used are identical to chemical mowing on roadsides; the only difference is the method of application and the equipment used. We can combine these treatments with other helpful herbicide applications to deliver a comprehensive vegetation management plan. Military artillery ranges, wind-farms and fairgrounds are common sites for these applications.

Ditch Bank and Relief Waterway Management...

Proper water drainage is crucial to the preservation and access of property, and is essential for roadway safety. Drainage systems are engineered to dewater areas after heavy rains or flooding, mitigate flood risk and high-water damage, and assure water balance. The most common impediment to controlled water flow is vegetation—and mechanical maintenance can often be costly. Using selective chemistry, ChemPro can provide herbicide treatments to drainage facilities that can strengthen the efficiency of canals and ditches while also offering the aesthetics of a well-managed watershed system. Carefully selecting herbicides and requiring proper licensure are imperative. Typically, two well-timed applications per year are recommended.

Storm-Water Facilities Management...

In many urban settings, storm-water has to be managed by using retention and detention ponds. Water draining off properties, roads, and other surfaces is directed to collection sites, or basins. Water can be retained at such sites or drained off to a creek, river, or bay. Areas designed to hold water to a certain level, or to catch water and then drain it, are called storm-water ponds. Depending on local codes, these ponds have to be managed to be effective and remain in compliance. One of the best strategies for managing these areas is to utilize herbicides. Herbicides can transform a wild-growing storm-water pond into a monoculture of desirable grasses, needing little to no mechanical maintenance. This is the most affordable and stable condition for such storm-water ponds.



Herbicides

Herbicides for ROW applications are carefully chosen based on safety for the environment and safety for workers. All herbicides are applied per label instructions. Safe herbicides widely used on roadside ROWs throughout the Southern United States include:

- Plateau
- 2-4-D Amine
- Oust XP
- Garlon
- Method
- Rodeo
- Milestone
- Escort
- Esplanade
- Clethodim



Modes of Action...

Herbicides are basically placed into two categories—*selective* and *non-selective*. Selective herbicides are used to control undesirable species of vegetation growing among desirable species. Selective herbicides are used most often for controlling broad-leaf weeds and weed grasses in desirable turf settings. They are also commonly used for eliminating brush among desirable grasses or other desirable plants.

Selective herbicides are also useful in ROW applications, but may not provide the control needed for targeted plants. Sometimes selective herbicides provide only temporary control, with the targeted plants needing to be retreating the same growing season or the following season. Selective herbicides are many times combined with non-selective herbicides to provide control of specific problems or to make a more complete blend.

Every geographic area requires a plan tailored to the vegetation species involved and to the objectives of the customer.



Additional Services...

- Custom Herbicide Application
- Industrial Weed Control
- Pipeline Vegetation Management
- Roadside Herbicide Program Development
- Invasive Species Eradication
- Land Reclamation / Brush Clearing
- Erosion Repair / Ground Stabilization
- Turf Growth Regulation
- Ditch Bank Maintenance
- Municipal Herbicide Program Development
- IVM Consulting, Mapping, and Planning
- Rotary Cutting / Grounds Maintenance
- Asset Management
- Product Distribution
- Tree Planting and Mitigation Projects

Customers

- Plants and Various Industrial Sites
- Electrical Cooperatives and Municipal Utilities
- Oil & Gas Producers and Pipelines
- Federal Lands, State Parks, and Military Installations
- State DOTs and County Road Systems
- Ports, Railroads, and Transit Authorities
- Storage Areas, Lay-down Yards, and Salvage Facilities
- Municipalities, Cities, Towns, and Districts
- Sustainable Energy Sites – Solar, Wind and Hydro



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