SUBJECT: AGRONOMICS SERVICES FOR VARIOUS PARK LOCATIONS

BID #: SC-0333-21 **OPEN DATE: 2021-03-03**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: SERVICE CONTRACT – PERIOD OF SERVICE WILL BE ONE (1) YEAR FROM DATE OF AWARD WITH TWO (2) ONE (1) YEAR RENEWAL OPTIONS

AGENCY: PARKS, RECREATION AND COMMUNITY SERVICES

BASIS OF AWARD: ALL OR NONE TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER

NUMBER OF BIDS INVITED: 36 **NUMBER RECEIVED:** 4 **OTHER:** 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval of award to the lowest responsive, responsible bidder North Florida Lawn and Pest, LLC in the amount of $310,030.50 for AGRONOMICS SERVICES FOR VARIOUS PARK LOCATIONS. Period of service will be one (1) year from the date of award.

Funding to be encumbered by various accounts: 00111.166105.534100.000000.00000000.00000.0000000, to be executed by individual purchase order(s).

Attachments: Recommendation Memo, Bid Tabulation, Terms and Conditions, Specifications

ANALYST: _____ RUBEN OLA

RESPECTFULLY SUBMITTED: _____ GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Keith Meyerl, Chief, Recreation and Community Programming

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(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

City of Jacksonville, Florida

Daryl Joseph, Director

Parks, Recreation and Community Services Department
214 N Hogan Street, 4th Floor
Jacksonville, FL 32202
(904) 255-7903
www.coj.net

ONE CITY. ONE JACKSONVILLE.

March 24, 2021

MEMORANDUM

TO: Greg Pease, Chief
Procurement Division

FROM: Keith Meyerl, Chief KAM
Recreation & Community Programming Division

RE: **Recommendation of Award -SC-0333-21 Agronomics Services for Various Park Locations**

In response to the solicitation for bids for Agronomics Services for Various Park Locations, the Procurement Division received a response from four (4) bidders and forwarded the results to the Parks, Recreation and Community Service Department to review for a recommendation of award.

After reviewing the four (4) submitted bids as documented on the attached tabulation sheet, Parks, Recreation and Community Services Department respectfully recommends awarding the bid to the lowest responsible, responsive bidder, North Florida Lawn and Pest., for a not to exceed annual amount of $310,030.50.

Funding source will be RPCM011PG 03410 00111 166105 534100 000000 00000000 00000

Your assistance in concurring with this recommendation for the respective award would be appreciated.

If you have questions or need additional information regarding this request, please contact Amy Honey at 255-7909.

KM/ah

Attachment: Bid Tab Sheet

BID TABULATION SHEET

TITLE: AGRONOMICS SERVICES FOR VARIOUS PARK LOCATIONS

BID NO.: SC-0333-21

OPEN DATE: March 3, 2021

PURCHASING ANALYST: RUBEN OLA

BID ANNOUNCER: R. BARNETT, BID RECORDER: J. HERNANDEZ

No. Invited: (36) No. Received (4) No Bids: (0)

ITEM	DESCRIPTION	QUANTITY	TURF TECH INC. GRANULAR TOTAL	TURF TECH INC. OPTIONAL LIQUID TOTAL	NORTH FLORIDA LAWN AND PEST GRANULAR TOTAL	NORTH FLORIDA LAWN AND PEST OPTIONAL LIQUID TOTAL	INTEGRITY LAWN GRANULAR TOTAL	INTEGRITY LAWN OPTIONAL LIQUID TOTAL	TRUEGREEN GRANULAR TOTAL	TRUEGREEN OPTIONAL LIQUID TOTAL
1	Barricade Broadleaf control	246 ACRES		$113/ $27,798	$73.64/ $18,113.00		$ 61,500.00	$ 39,360.00	$ 17,500.00	$ 17,500.00
2	Pest Control Fipronil (id mfg)	246 ACRES	$217/ $53,392		$179.59/ $44,177.00		$ 67,650.00	$ 63,960.00	$ 58,000.00	$ 58,000.00
3	20-2-10 40%PPSCU / 40% AS / 4%FE	246 ACRES	$92/ $22,632		$73.64/ $18,113.00		$ 49,200.00	$ 30,750.00	$ 31,700.00	$ 29,700.00
4	18-0-10 with.069%	246 ACRES X 2 TIMES	$92/ $45,264		$162.82/ $80,106.00		$ 113,160.00	$ 61,500.00	$ 63,400.00	$ 59,400.00
5	21-0-0 (1/2 # rate)	246 ACRES X 2 TIMES	$51/ $25,092		$50.84/ $25,011.00		$ 98,400.00	$ 61,500.00	$ 63,400.00	$ 59,400.00
6	Lesco Greens Grade Elite 6-3-0	246 ACRES	$78.50/ $19,311		$107.87/ $26,536.00		$ 79,950.00	$ 30,750.00	$ 31,700.00	$ 29,700.00
7	15-0-15 40%PPSCU 30%AS1%FE	246 ACRES	$104/ $25,584		$141.52/ $34,815.00		$ 61,500.00	$ 30,750.00	$ 31,700.00	$ 29,700.00
8	Weed Control Halosulfuron-methyl 5%	246 ACRES X 3 TIMES		$183/ $135,054	$40.78/ $30,098.00		$ 428,040.00	$ 92,250.00	$ 52,500.00	$ 52,500.00
9	Insect Control as needed	150 ACRES		$230/ $34,500	$69.42/ $10,413.00		$ 28,500.00	$ 18,750.00	$ 18,750.00	$ 18,750.00
10	Disease Control as Needed	150 ACRES		$322/ $48,300	$110.71/ $16,606.50		$ 75,000.00	$ 18,750.00	$ 18,750.00	$ 18,750.00
11	Weed Control as needed	150 ACRES		$120/ $18,000	$40.28/ $6,042.00		$ 42,000.00	$ 18,750.00	$ 18,750.00	$ 18,750.00
		GRAND TOTAL:		$454,927.00	$ 310,030.50		$ 1,104,900.00	$ 467,070.00	$ 406,150.00	$ 392,150.00
		TERMS:							0% DISC. 30 DAYS	
		DELIVERY (Business Days):	10 DAYS		30 DAYS				10 DAYS	
		CONFLICT OF INTEREST:	✓		✓		✓		✓	
		ADDENDUM(S)(1,2)	✓		✓		✓		✓	
		NOTES:								

TERMS AND CONDITIONS

AGRONOMICS SERVICES FOR VARIOUS PARK LOCATIONS

1. SCOPE

The Parks, Recreation and Community Services Division of the City of Jacksonville, Florida is currently accepting bids to obtain source(s) of supply for the item(s) / service(s) as outlined in the bid documents provided. The purpose of this bid invitation is to obtain information about your firm and its ability to provide these items and to obtain pricing commitments for **Agronomics Services for Various Park Locations** as listed in the bid documents.

2. AWARD

Award will be **ALL OR NONE** to the lowest responsive, responsible bidder. The City will determine low bid based on granular unit pricing but reserves the right to award optional Liquid based unit pricing by item as determined in the best interest of the City. Bidders must bid on all items to be considered for award. ALL awards are subject to the availability of funds.

3. TERM OF AGREEMENT

The term of this agreement is one year from date of award, with two (2) one (1) year renewal options. Renewal Options may be exercised at the discretion of the City based on supplier performance and adherence to the terms and condition set forth in the bid documents.

4. REQUIREMENTS

Bidders should submit or comply with the following requirements; failure to submit any of these requirements may be grounds for rejection:

a) The contractor shall provide a list of all personnel that will be working on this project. Included on the list will be personnel responsible for application of all chemicals with copies of their appropriate licensing from the State of Florida Department of Agriculture. All required licensing shall be kept in an active status for the duration of the project. Any needed increase in labor and/or equipment or revision of this list, as determined by the City, will not be considered justifiable cause for an adjustment of the bid proposal prices under this contract.

5. PRE-BID CONFERENCE

A non-mandatory Pre-Bid conference will be held on February 18, 2021 at 10:30 A.M., located at Ed Ball Bldg., 8th Floor, Room 825, 214 North Hogan Street, Jacksonville FL, 32202.

6. STATE CONTRACTS

The City reserves the right to utilize contracts established by the State of Florida and or other governmental agencies for item(s)/service(s) covered under this bid. The city reserves the right to cancel this contract in whole or in part for such item(s)/service(s).

7. QUANTITIES

Quantities indicated reflect the estimated quantities to be purchased throughout the contract period and are subject to fluctuation in accordance with actual requirements. The City reserves the right to purchase

SPECIFICATIONS

1. **SCOPE:**
The work covered under the bid specifications consists of furnishing all labor, materials, and equipment to perform all operations necessary for agronomic services on recreational sites. Applications and operations are to be performed to the satisfaction of the Parks District Manager.

Weed, pest and disease control will be performed, when requested, and pursued until the weed or pest is eradicated to the satisfaction of the Parks District Manager.

2. **JOB SITE LOCATIONS:**
The job sites will be at selected recreational sites within the City. An estimated list of the recreational sites is attached in Appendix A. Additional locations may be added to this list at any time during the life of the contract. Sites on this list may be deleted at any time during the life of this contract.

3. **INTENT OF PROJECT:**
It is the intent of these contract documents to provide a service for fertilization, insect and disease control applications to recreational sites within the limits of the City of Jacksonville. It is not the intent of these contract documents to minutely define the mode of providing this service, but rather to set forth rational and reasonable performance criteria for accomplishment of the service.

4. **APPLICATION:**
The term "APPLICATION" as used in this document, shall be defined as fertilization, insect control, weed control, pre-emergent, or any and all combinations thereof.

5. **WORK HOURS:**
In general, all work shall be performed during daylight hours. For special operations, night work may be allowed if authorized in advance by the Parks District Manager. No work shall be performed when weather conditions limit visibility to less than 500 feet.

No work shall be done on Saturdays, Sundays or City holidays. Exceptions to this rule shall be made only by written permission of the Parks District Manager.

6. **SUSPENSION OF WORK:**
The Parks District Manager shall have the authority to suspend work, wholly or in part, for such periods as may be deemed necessary. These periods of suspension include adverse weather conditions, heavy traffic conditions due to special events and other situations that may cause a hazardous condition for pedestrians. Such suspensions of work will be ordered in writing explaining the reason for the suspension. Normal operations may resume when directed by the Parks District Manager.

No Separate payment will be made for delay.

7. **EXAMINATION OF WORK SITE:**
Appendix A shows an estimated list of the work sites. It is the responsibility of the Contractor to examine carefully the sites of the proposed work, including job site conditions, and the proposal, plans, specifications and all other documents comprising the contract for the work contemplated, before submitting a proposal.

8. **PERMIT, NOTIFICATION AND FEES:**
It shall be the Contractor's responsibility to secure and pay for any and all permits that may be required to accomplish the work. It shall also be the Contractor's responsibility to conduct the work in accordance with required local, state, and federal regulations. All permit fees, if any, associated with the performance of this contract shall be borne by the Contractor.

9. **RESPONSIBILITY FOR DAMAGES AND PRESERVATION OF PROPERTY:**
The Contractor shall preserve from damage all property associated with, or which is in the vicinity, or is in any area affected by the work. This applies to public and private property and /or utilities. Included in these provisions are private owner items such as shrubbery planting, irrigation systems, which may be located on City right of way, or the job site. The Parks District Manager shall make prompt determination of liability in case of damage.

Any damages occurring to such properties shall be immediately repaired at the expense of the Contractor to a condition equal or better than existing before such damage occurred, except as outlined above, provided that damage was caused by or resulted from negligence on the part of the Contractor.

The City will accept no billing until all work and/or repairs have been satisfactorily completed. Verification of ordered parts will be required for all exceptions, in the event all work and/or repairs have not been completed.

10. **QUANTITIES ESTIMATED:**
The undersigned Contractor fully understands that the items and respective quantities set forth in the proposal have been established to assist the Contractor in deriving unit prices for the work for which may or may not be called for during the extent of this contract. The City reserves the right to decrease or increase quantities with no change to the unit price established in the proposal.

It is understood that the specific sites, as well as the number of treatments, set forth in the proposal form are subject to change and that payments will be made only for work satisfactorily completed as defined in the contract documents.

The contract is governed by budgetary restriction, and the actual reimbursement to the Contractor will be based on the unit price of the actual amount of work authorized, completed, and approved by the Parks District Manager. Final reimbursement may be less than the contracted amount since all quantities are estimated and no quantities are guaranteed.

If the Parks District Manager request fertilization, pest control, weed control, disease control, or pre-emergent at additional sites, payment for those additional areas will be paid in accordance with the unit prices as specified in the bid proposal.

11. **LIMITATION OF OPERATION:**
No equipment shall be left on the job site overnight unless approved by the Parks District Manager. All service and supply operations shall be conducted at a location that does not interfere with vehicle or pedestrian traffic. No supply vehicles shall enter a play surface except to repair or remove inoperable equipment and then only when such repair or removal necessitates a service vehicle.

Work shall be performed only on City property or private property with proper easements. Care shall be taken so as not to disturb any private property.

All fertilization and pest control activities shall be conducted during daylight hours, unless otherwise approved by the Parks, Recreation and Community Services Department.

12. **METHOD OF OPERATION:**
No work shall be started without prior notification from the Parks, Recreation and Community Services Department. Work shall begin within ten (10) days following receipt of notification.

13. **METHOD OF PAYMENT:**
Funding for this project will be provided by issuance of a purchase order for all work. The purchase order will provide funding for fertilization, insect control, weed control, disease control and pre-emergent for any site maintained by the City regardless of whether or not it is listed in Appendix A. The Contractor will only be paid for work that has been satisfactorily completed, approved, and accepted, by the Parks District Manager.

Payment for the work performed under these bid specifications will be made at the contract unit price set forth in the proposal. Each unit price shall include the furnishing of all material, equipment, tools, labor, and supervision to complete the work as planned.

14. **FERTILIZATION OF IDENTIFIED SITES:**
The Contractor shall be responsible for applications of granular or liquid based fertilizer to all sites listed in Appendix A. The table, which is Appendix B, shall be adhered to for the timing of applications, rate of nitrogen per application and the different types of fertilizer to be used. Fertilizer will be applied in the months of March thru October. The City can choose to change fertilizer type and formulation listed in the table of Appendix B at any time during the contract period.

Fertilizer shall be applied to the total acreage of each site listed in Appendix A. All sites listed in Appendix A shall be fertilized between the first day and the last day of the appropriate month.

If granular fertilizer is used, fertilizer shall be applied using a rotary type spreader, which is calibrated to apply the appropriate amount of nitrogen per 100 sqft. as listed in the table of Appendix B.

If liquid fertilizer is used, fertilizer should not be applied: (1) when forecast is calling for rain within 24 hours of application, and (2) during periods of high wind (over 10 mph).

Fertilizer applications shall follow the annual schedule listed in Appendix B unless as ordered by the Division Chief or his assignee. All fertilizer applications will be at the unit price established in the bid proposal. (Bid Item #2, 3, 4, 5, and 6)

Damage to turf due to fertilization operations will be the responsibility of the Contractor. Any turf damaged by operations will be replaced with turf of the same species as that damaged at the Contractor's expense.

Fertilizer should be applied uniformly to the turf area to prevent "streaking" or "spotty" turf color. If the Parks District Manager determines that turf color does not appear to be uniform after a monthly application at a site, the contractor will be required to re-apply fertilizer until uniformity in color is determined adequate by the Division Chief or Parks District Manager at no additional charge to the City.

15. **TYPES OF FERTILIZER:**
The Contractor shall supply and apply the brand and formulations of fertilizer listed in Appendix B for each monthly application. The City can choose to change the fertilizer type and formulation listed in the table of Appendix B at any time during the contract period.

The brand of fertilizer required in Appendix B may be substituted with an approved equal brand. Substitutions must be approved at a minimum of seven (7) days prior to bid opening. An email detailing the specifications of the substitution must be submitted to the Purchasing Analyst, Ruben Ola, RubenO@coj.net.

16. **PRE-EMERGENT OF IDENTIFIED SITES:**
The Contractor shall be responsible for one (1) application of pre-emergent to all sites in Appendix A. The table which is Appendix B shall be adhered to for the timing of applications and different types of pre-emergent to be used. Pre-emergent will be applied in the first 10-days of the month of March and shall not be combined with any other application unless agreed upon by the City of Jacksonville.

Pre-emergent applications shall follow an annual one (1) month schedule unless changed in writing, by the Division Chief or Parks District Manager. All pre-emergent applications will be at the unit price established in the bid proposal. (Bid Item #1)

The Contractor shall supply and apply the brand formulations of pre-emergent listed in Appendix B for each monthly application.

The brand of pre-emergent required in Appendix B may be substituted with an approved equal.

17. **FERTILIZATION APPLICATIONS:**
The contractor agrees to furnish all labor, equipment, and chemicals to successfully treat the Bermuda turf sites listed in Appendix A to provide adequate nutrition that promotes turf density and in turn improves field safety and playing conditions. The contractor applying chemicals shall be licensed by the State of Florida's Department of Agriculture and must provide proof of license (s), by discipline or chemicals to be applied, at the time of bid opening. The required license(s) shall remain effective throughout the duration of this contract. The contractor will provide a unit price based on estimated quantities given in the bid schedule. Turf areas will be treated based on unit prices established in the bid proposal (Bid Item #'s 3-7).

19. WEED, DISEASE AND INSECT CONTROL:

The Contractor agrees to furnish all labor, equipment and chemicals to successfully treat the Bermuda turf sites listed in Appendix A for insects and weeds. The contractor applying chemicals shall be licensed by the State of Florida's Department of Agriculture and must provide proof of license (s), by discipline or chemicals to be applied, at the time of bid opening. The required license(s) shall remain effective throughout the duration of this contract. The Contractor will provide a unit price based on estimated quantities given in the bid schedule. Turf areas will be treated based on unit prices established in the bid proposal (Bid Item # 2 and 8, 9, 10 & 11).

Weed, disease and insect treatments in turf will be recommended by the contractor and reviewed by the Division Chief or Parks District Manager. When the Contractor receives written notification to proceed with work, the Contractor will proceed with the eradication of the insect, weeds or disease in the quantified turf area. Additional applications shall be made to completely remove the insect, disease or weeds in the quantified area on an as needed basis at additional charge to the City.

Adequacy/completeness/effectiveness of insecticide/herbicide/fungicide spraying shall be based on results as determined by the Division Chief or Parks District Manager. If the application is determined to be ineffective by a single application, the contractor shall return and re-apply regardless of the number of applications until effective control of the pest or weed is achieved as determined by the Division Chief or Parks District Manager. Each additional site spraying to achieve control shall be done at NO additional cost to the City.

20. SCHEDULE OF WORK:

The Contractor shall be responsible for establishing an application schedule, which shall be approved by the City prior to beginning work. Once the schedule has been established and approved, no changes shall be made without prior approval by the City.

21. OTHER REQUIREMENTS:

a) The Contractor shall neither use nor recommend the use of chemicals, application methods or practices that do not comply with state and/or federal regulations.

b) In addition to routine applications of fertilizer, the Contractor shall respond in a timely manner to a request for an additional application(s) of fertilizer and/or pest and weed control applications if the Parks District Manager deems it necessary.

22. INGRESS/EGRESS:

The City shall arrange for and designate ingress/egress points to work areas and the Contractor shall use only these points.

23. REPORTS:

The Contractor shall provide the City with a **Report** of operations including location, acreage of treatments and any other related information or recommendations requested by the Parks District Manager that may be of importance to the City in planning future weed control. The report will be supplied to the Parks, Recreation and Community Services Department, 214 N. Hogan Street 4th Floor, Jacksonville, FL 32202 within ten (10) days after each monthly treatment has been applied. In addition, the Contractor shall be responsible for submitting reports required to any and all state regulatory agencies, if required.

A "Daily Project Report "shall be authorized by the contractor and submitted to the Parks District Manager for each day that work is performed. This report shall be in Microsoft Office Word, Excel or pdf format and emailed to the Division Chief and Parks District Manager. At a minimum, the report will include site(s) worked by date, contract task worked on and/or completed that day. It should also include weather, number of personnel, equipment used, and any problems encountered.

24. EQUIPMENT:

The Contractor must have adequate equipment to apply fertilizer, pest, disease and weed control products as required to meet job specifications. A list of equipment must be submitted on the form provided in Appendix C at the time of bid opening to be considered for this bid.

25. BILLING:

In the Contractor's monthly invoice, the following billing format shall be used. An invoice, on one (1) page, shall be submitted for EACH site worked during the billing period. On that invoice, it shall define the site worked, bid item task completed and billing cost for that site. Lump sum billings for aggregate sites will not be accepted.

Contractor must obtain prior approval from the Parks, Recreation and Community Services Department before performing any and all work outside the limits of the bid items listed in the bid proposal

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Appendix A
PARK SITES INFORMATION

Park Name	Address	Number of Acres
Adolph Wurn	2115 Dean Road	1
Alberts Field	12073 Brady Road	5
Argyle Forest	8533 Acanthud Drive	1
Fort Family Park	8000 Baymeadows Road East	4
Baker Skinner	7641 Powers Avenue	7
Blue Cypress	4012 University Blvd East	3
Bob Hayes Sports	5054 Soutel Drive	5
Brackridge	8650 Newton Road	3
Brookview Elementary	10441 McAleer Road	3
Bruce	6549 Arlington Road	2
Charles Boobie Clark	8793 Sibbald Road	5
Chuck Rogers	11950 San Jose Blvd	6
Criswell	5372 Park Street	4
Dinsmore	7126 Civic Club Road	3
Drew	6621 Barnes Road South	7
Earl Johnson	5308 St Augustine Road	7
Ed Austin	11751 McCormick Road	24
Florida C Dwight	1199 W Church Street	1
Flossie Brunson	1050 Franklin Street	2
Friendship Fountain	1025 Museum Circle	3
Glen Myra	1429 Winthrop Street	2
Glynlea	6801 Altama Road	1
Grand Park	2500 West 20th Street	2
Greenland	11808 Faval Drive	9
Hammond	2142 Melson Avenue	6
Holiday Hills	6900 Altama Road	2
Huffman	2775 Huffman Blvd	2
J Gardner (Nip Sam)	6600 Richardson Road	3
James P Small	1701 Myrtle Avenue	3
Lake Lucina	6527 Merrill Road	4
Losco Regional	10851 Hood Road South	4
Main Street	Main & Duval	2
Mallison	3133 Lenox Avenue	3
Mary Lena Gibbs	6974 Wilson Blvd	2
Maxville	18065 Pennsylvania Avenue	4
McGirts Creek	8435 118th Street	5
Metro	1410 Gator Bowl Blvd	14
Normandy Sports Complex	10851 Normandy Blvd	6

Normandy	1728 Lindsey Road	3
Our Community	6200 Old Middleburg Road	4
Palmetto Leaves	5720 Greenland Road	5
Panama	6912 Buffalo Avenue	2
Parkwood Heights	1709 Lansdowne Road	2
Pine Forest	3939 Grant Road	2
Ray Greene (Football field only)	2149 Leonid Road	2
Ringhaver	5198 118th Street	19
Rondette	3500 Rondette Lake Road	6
Scott	2745 Hamilton Circle	3
Singleton	7001 Richardson Road	2
Southside Estates	9227 Jupiter Court North	5
St Nicholas	2260 Spring Park Road	1
Thomas Jefferson	320 Jackson Avenue	2
Tom Marshall	1471 Elmar Road	3
Victory	3781 University Club Blvd	2
Victoria	2948 Knights Lane W	2
Wesconnett	6045 105th Street	4
Windy Hill	3850 Skycrest Drive	2
Woodstock	2839 West Beaver Street	2
Yancey	3352 Soutel Drive	3
	TOTAL	246

APPENDIX B

Fertilizer Brands and Formulations

Fertilizer Formulations	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Barricade Broadleaf control (Pre-emergent)			Label Rate									
20-2-10 40%PPSCU 40%AS 4%FE			1lbNper 1000 Sqft									
18-0-10 with .069%				1 lb N per 1000 Sqft					1 lb N per 1000 Sqft			
Fipronil (identify mfg)					2 lb N per 1000 Sqft							
21-0-0 (1/2 # rate)					.5 lb N per 1000 Sqft			.5 lb N per 1000 Sqft				
15-0-15 40%PPSCU 30%AS 1% FE										1 lb N per 1000 Sqft		
Lesco Greens Grade Elite 6-3-0		Label Rate										
Weed Treatment Halosulfuron-methyl 5%				Label Rate			Label Rate			Label Rate		
Insect Control as needed												
Disease Control as Needed												
Weed Control as needed												