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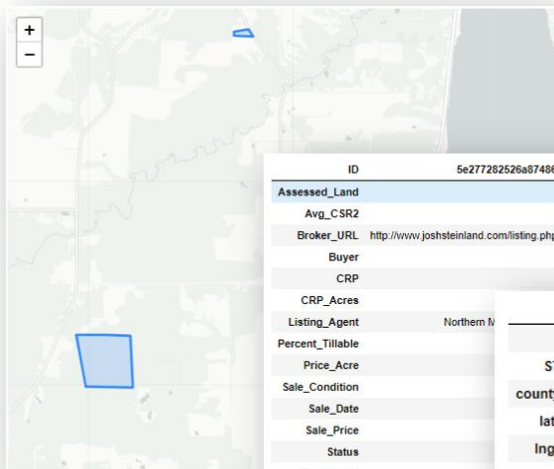
Land Value Service

*API Documentation
2020*

Service Overview

Ag-Analytics® Land Value Service API provides users with easy and fast access to filter and find land for sale, complete with the sales and geographic data components to get a detailed description of that land's value. The data of this service is originally provided by Farmland Finder(<https://www.farmlandfinder.com>). In this version of Land Value Service API, each parcel/land has a full description of the entire sale/transaction. Multiple parcel/land record can belong to one transaction. In geographic attribute, each result record gives the detailed description of a certain land/parcel itself, while the attribute in 'sales' may carry the information for the transaction/sale other than this parcel/land.

For illustration, the responses from one demo request call is provided below. The API responses contain the shapes/features in WKT(Well-Known Text) format and the basic, sales, geographic information in strings.



ID	5e277282526a87486f9d3a74	5e277282526a87486f9d3a20
Assessed_Land	None	None
Avg_CSR2	21.0952	15.9878
Broker_URL	http://www.joshsteinland.com/listing.php?target...	http://www.joshsteinland.com/listing.php?target...
Buyer	None	None
CRP	None	None
CRP_Acres		
Listing_Agent	Northern I	
Percent_Tillable		
Price_Acre		
Sale_Condition		
Sale_Date		
Sale_Price		
Status		
Taxes_total		
Tillable_Acres		
Total_Acres		

ID	5e277282526a87486f9d3a74	5e277282526a87486f9d3a20
FIPS	26061	26061
STATEFP	26	26
county_name	Houghton	Houghton
lat_center	47.0438	47.0919
lng_center	-88.5901	-88.5605
range	34W	34W
sect	26	12
state_name	Michigan	Michigan
townshp	54N	54N

Land Value Service Response Example



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POST Request

Header Parameters

Execute Type: POST

content-type: "application/json"

Request Parameters

Parameter	Data Type	Required?	Default	Options	Description
State	Text	Yes	-	-	State of interest. Title cased. Ex. "Michigan" or "Ohio"
County	Text	No	-	-	List of State of interest. Title cased. Ex. "Osceola" or "Polk" <i>Note: This parameter will be valid only if the State parameter is provided</i>
Bounding_box	Text	Yes	-	GeoJSON	Area of interest in GeoJSON format. <i>Note: Please provide at least one parameter selected from 'State', 'County', and 'Bounding_box'</i>
Status	Text	Yes	-	'Sold', 'For Sale', 'Expired Listing'	Sale Condition of the property.
StartDate	Text	Conditional	-	'yyyy-mm-dd'	Searching starting date of the property Sale Date. In format 'yyyy-mm-dd' <i>Note: Required only if Status is 'Sold'</i>
EndDate	Integer	Conditional	-	'yyyy-mm-dd'	Searching end date of the property Sale Date. In format 'yyyy-mm-dd' <i>Note: Required only if Status is 'Sold'</i>



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Response Parameters

Parameter	Type	Description
ID	String	The unique sale id for each parcel as a string
Entry_Updated	Date	The date of the sales information has been updated
basics	List	'basics' gives the following details of the parcel/property: I. Shape : The boundary of the parcel/property in Well Known Text type II. State : The state where the parcel/property locates in. III. County : The county where the parcel/property locates in.
sales	List	'sales' gives the following details of the sale (Note: the one sale record may include multiple parcels): I. Avg_CSR2 : the average The Iowa Corn Suitability Rating(Soil Productivity Index) II. CRP : If the property joined the Conservation Reserve Program.('Yes' or 'No') III. Total_Acres : the total acres of the entire sale IV. Tillable_Acres : the tillable acres of the sale V. Percent_Tillable : the percent tillable area VI. CRP_Acres : the CRP acres VII. Sale_Price : the total sale price of the sale record VIII. Price_Acre : the price per acre of the sale record IX. Status : one of the following values: "For Sale", "Listing Expired", "Sold" X. Sale_Condition : one of the following values: "Auction", "Listing" XI. Listing_Agent : the listing agent name XII. Buyer : the buyer name as a string XIII. Sale_Date : The sale date string in YYYY-MM-DD format. (When the parcel is still listing, the attribute will be Null XIV. Taxes_total : taxes for the sale as a float XV. Assessed_Land : If the land/parcel has been assessed XVI. Broker_URL : The URL link to the broker listing webpage as a string



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geographic	List	'geographic ' gives the following geographic details of the parcel/property: I. lat_center : the latitudinal center of the parcel/property as a float value II. lng_center : the longitudinal center of the parcel/property as a float value III. range : the range as a string (ex: 26W - always include E or W) IV. sect : the section as string (ex: 17) V. twnsnp : the township as a string (ex: 78N - always include N or S) VI. county_name : the county name as a string (Title cased - for ex: Osceola, Polk, etc.) VII. state_name : the state name as a string (Title cased - for ex: Michigan) VIII. STATEFP : the FIPS to state level as a string IX. FIPS : the FIPS to county level as a string
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Appendix

Figure 1 – Shape Example, GeoJSON

Figure 2 – POST Request Example

Figure 3 – POST Response Example

Figure 1.

Shape Example - GeoJSON

```
'{"type":"Feature","properties":{},"geometry":{"type":"Polygon","coordinates":[[[-88.6,47.04],[-88.54,47.04],[-88.54,47.1],[-88.6,47.1],[-88.6,47.04]]]}}'
```

Figure 2

POST Request Example – application/json

```
{
  'State': "Michigan",
  'County' : "Houghton",
  'Bounding_Box': '{"type":"Feature","properties":{},"geometry":{"type":"Polygon","coordinates":
[[[-88.6,47.04],[-88.54,47.04],[-88.54,47.1],[-88.6,47.1],[-88.6,47.04]]]}}',
  'StartDate': '2019-08-08',
  'EndDate': '2020-01-01',
  'Status' : 'Sold'
}
```



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Figure 3

POST Response – application/json

```
{
  'ID': 'efasdf234adgsrgrgsd',
  'Entry_Updated': '0019-08-01 00:00:00',
  'basics': {
    'Shape': 'POLYGON((-88.6 47.04,-88.54 47.04,-88.54 47.1,-88.6 47.1,-88.6 47.04))',
    'State': 'Michigan',
    'County': 'Houghton'
  },
  'sales': {
    'Avg_CSR2': 10.0952,
    'CRP': None,
    'Total_Acres': 1327.0,
    'Tillable_Acres': 1204.0,
    'Percent_Tillable': 90.0,
    'CRP_Acres': None,
    'Sale_Price': '600000.0000',
    'Price_Acre': '6051.0000',
    'Status': 'For Sale',
    'Sale_Condition': 'Listing',
    'Listing_Agent': 'Michigan Land Brokers',
    'Buyer': None,
    'Sale_Date': None,
    'Taxes_total': None,
    'Assessed_Land': None,
    'Broker_URL': 'http://www.google.com'
  },
  'geographic': {
    'lat_center': 47.04,
    'lng_center': -88.6,
    'range': '34W',
    'sect': '26',
    'township': '54N',
    'county_name': 'Houghton',
    'state_name': 'Michigan',
    'STATEFP': '26',
    'FIPS': '26061'
  }
}
```



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Citation



Spatial Reference Information:

Universal Transverse Mercator (UTM) Dominant Zone, North American Datum 1983

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