FARMLAND SALES

API Documentation 2020

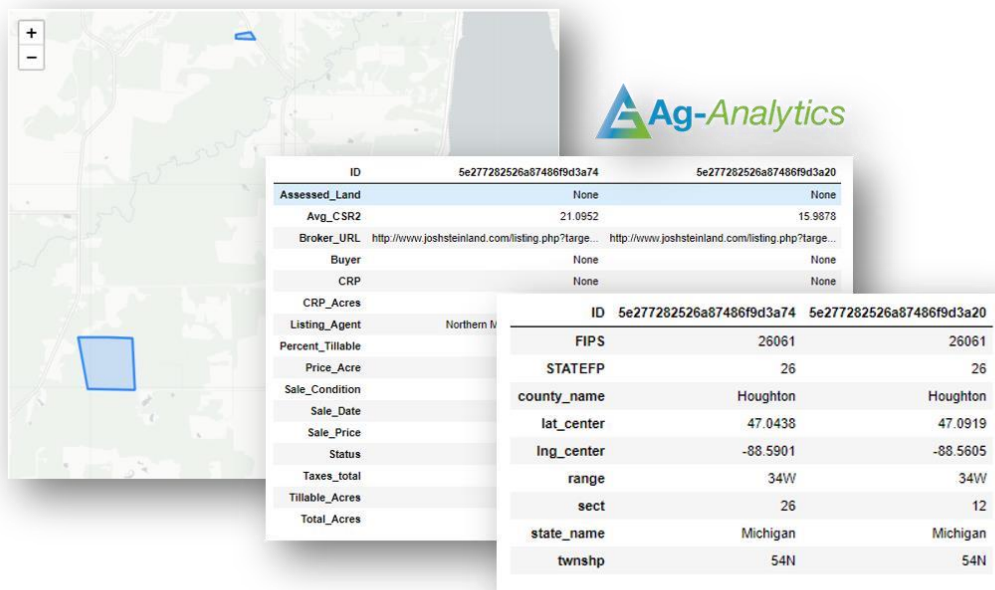[↗ API Portal](#) | [↗ GitHub Repo](#) | [↗ Jupyter Notebook](#) | [↗ Purchase](#)

Service Overview

Ag-Analytics® Farmland Sales 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. Each response item has a full description of the entire sale/listing information. Multiple parcel/land records can belong to one single listing. In the 'parcels' parameter in listing, each parcel record gives the detailed description of a certain land/parcel itself.

This API uses POST request with a subscription key. The examples from the API displayed as figure below. The API responses contain the shapes/features in WKT (Well-Known Text) and GeoJSON which can be displayed in multiple platforms or used for further geospatial analysis.

Farmland Sales API data

POST Request

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'
}
```

Header Parameters

content-type: "application/json"

Ocp-Apim-Subscription-Key: Subscription keys are given upon purchase   Purchase APIs ↗

Request Parameters

Parameter	Data Type	Required?	Default	Options	Description
State	Text	Yes	--	Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin	State of interest. Title cased. Ex. "Michigan" or "Ohio"
County	Text	No	--	Counties in the above states	County of interest. Title cased. Ex. "Osceola" or "Polk" *Note: This parameter will be valid only if the State parameter is provided*
Bounding_box	Text	Yes	--	GeoJSON	Area of interest in GeoJSON format. Note: Please provide at least one parameter selected from 'State', 'County', and 'Bounding_box'
Status	Text	Conditional	--	'Sold', 'For Sale', 'Expired Listing'	Sale Condition of the property.

StartDate	Integer	Conditional	--	'yyyy-mm-dd'	Searching starting date of the property Sale Date. In format 'yyyy-mm-dd' Note: Required only if Status is 'Sold'
EndDate	Integer	Yes	--	'yyyy-mm-dd'	Searching end date of the property Sale Date. In format 'yyyy-mm-dd' Note: Required only if Status is 'Sold'

POST Response

POST Response Example – application/json

```
{
   'Listing_id': '4A7A9075-BFF8-42C4-BE12-1D7C8778794F',
   'Entry_Updated':'0019-08-01 00:00:00', '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'
   'parcels':[{
      'Parcel_ID': 'sdfahdkfhlala87r9238',
      'Parcel': '1',
      'Acres': 20.1,
      'Shape': 'POLYGON((-88.6 47.04,-88.54 47.04,-88.54 47.1,-88.6 47.1,-88.6
      47.04))',
      'GeoJSON':
      '{"type":"Feature","properties":{},"geometry":{"type":"Polygon","coordinate
      s":[[[88.95973205566405, 46.68995749641134],[-88.76678466796875,
      46.68995749641134], [88.76678466796875, 46.7981792512332],[-
      88.95973205566405, 46.7981792512332], [88.95973205566405,
      46.68995749641134]]]}}'
      'State':'Michigan',
      'County':'Houghton',
      'lat_center':47.04,
      'lng_center':- 88.6,
      'range':'34W',
      'sect':'26',
      'twnshp':'54N',
      'county_name':'Houghton',
      'state_name':'Michigan',
      'STATEFP':'26',
      'FIPS':'26061'
   }]
}
```

Response Parameters

Parameter	Type	Description
status	String	Status of the API call. ("SUCCESS"," FAILURE","WARNING")
msg	String	--
Listing Parameter	**Type**	**Description**
Listing_id	String	The unique ID for each listing(sales).
Entry_Updated	Date	The date of the listing(sales) information has been updated
Avg_CSR2	String	The average The Iowa Corn Suitability Rating(Soil Productivity Index)
CRP	String	If the property joined the Conservation Reserve Program.('Yes' or 'No')
CRP_Acres	Float	The CRP acres
Total_Acres	Float	The total acres of the entire sale
Tillable_Acres	Float	The tillable acres of the sale
Percent_Tillable	Float	The percent tillable area
Sale_Price	Float	The total sale price of the sale record
Price_Acre	Float	The price per acre of the sale record
Status	String	One of the following values: "For Sale", "Listing Expired", "Sold"
Sale_Condition	String	One of the following values: "Auction", "Listing"
Listing_Agent	String	The listing agent name
Broker_URL	String	The URL link to the broker listing webpage as a string
Buyer	String	The buyer name as a string
Sale_Date	String	The sale date string in YYYY-MM-DD format. (When the parcel is still listing, the attribute will be Null
Taxes_total	Float	Taxes for the sale as a float
Assessed_Land	String	If the land/parcel has been assessed
Parcel Parameter	**Type**	**Description**
Parcel_ID	String	The unique sale id for each parcel as a string
Parcel	String	Index of the parcel in one listing(transaction).
Shape	String	The boundary of the parcel/property in Well Known Text type
GeoJSON	String	The boundary of the parcel/property in GeoJSON type

Acres	Float	Area of the parcel
State	String	The state where the parcel/property locates in.
County	String	The county where the parcel/property locates in.
lat_center	Float	The latitudinal center of the parcel/property as a float value
lng_center	Float	The longitudinal center of the parcel/property as a float value
range	String	The range as a string (ex: 26W - always include E or W)
sect	String	The section as string (ex: 17)
twnshp	String	The township as a string (ex: 78N - always include N or S)
county_name	String	The county name as a string (Title cased - for ex: Osceola, Polk, etc.)
state_name	String	The state name as a string (Title cased - for ex: Michigan)
STATEFP	String	The FIPS to state level as a string
FIPS	String	The FIPS to county level as a string

Powered By
Ag-Analytics

Please contact **support@analytics.ag** or **josh@ag-analytics.org** with any comments or questions.

Terms of Use and Privacy